2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	М
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Item Rating	Rated Item	verall Unit Rating
N	Photo Documentation	A
М	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
Α	Erosion / Bank Caving	
Α	Revetments	
Α	Encroachments	
Α	Culverts: Inlets / Outlets	
N	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
Α	Sluice/Slide Gates	
N	Electric Gate Operators	
Α	Manual Gate Operators	
Α	Concrete Surfaces	
Α	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
М	Other Metallic Items	
Α	Monolith Joints	
А	Safety	
Α	Operation & Maintenance Manual	

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	М
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

Item Rating	Rated Item	Overall Unit Rating
N	Photo Documentation	A
А	Vegetation & Obstructions	
А	Shoaling / Sedimentation	
Α	Erosion / Bank Caving	
N	Revetments	
Α	Encroachments	
Α	Culverts: Inlets / Outlets	
Α	Culverts: Breaks / Holes / Cracks	
Α	Metal Pipes	
N	Trash Racks	
Α	Flap Gates	
N	Sluice/Slide Gates	
N	Electric Gate Operators	
N	Manual Gate Operators	
Α	Concrete Surfaces	
Α	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
N	Other Metallic Items	
Α	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Item Rating	Rated Item	verall Unit Rating
N	Photo Documentation	Α
Α	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
Α	Erosion / Bank Caving	
Α	Revetments	
M	Encroachments	
N	Culverts: Inlets / Outlets	
N	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
Α	Sluice/Slide Gates	
N	Electric Gate Operators	
N	Manual Gate Operators	
Α	Concrete Surfaces	
Α	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
N	Other Metallic Items	
Α	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	М
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

erall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	А
	Plant Building	M
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	А
	Power	А
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	А
	Sumps/Wet Well	А
	Trash Racks	А
	Trash Rakes	N
	Sluice / Slide Gates	А
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	N
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	А

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	М
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	А
	Safety	М
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	A
	Sumps/Wet Well	M
	Trash Racks	А
	Trash Rakes	N
	Sluice / Slide Gates	А
	Electric Gate Operators	N
	Manual Gate Operators	А
	Other Metallic Items	Α
	Flap Gates	А
	Closure Structures	N
	Security Fencing	А
	Intake and Discharge Pipes	Α

2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

erall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	М
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

erall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	А
	Electric Gate Operators	А
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating			
M	M Photo Documentation				
	Vegetation & Obstructions	М			
	Shoaling / Sedimentation	М			
	Erosion / Bank Caving	Α			
	Revetments	М			
	Encroachments	Α			
	Culverts: Inlets / Outlets	N			
	Culverts: Breaks / Holes / Cracks	N			
	Metal Pipes	N			
	Trash Racks	N			
	Flap Gates	N			
	Sluice/Slide Gates	N			
	Electric Gate Operators	N			
	Manual Gate Operators	N			
	Concrete Surfaces	U			
	Concrete Tilting / Settlement	Α			
	Concrete Foundations	Α			
	Security Fencing	N			
	Closure Structures	N			
	Trash Rakes	N			
	Other Metallic Items	N			
	Monolith Joints	Α			
	Safety	М			

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2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4 Overall Unit Rating

Α

it Rating	Rated Item	Item Rating
	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Drainage Structure	

Structure Rating	Α
Date of Inspection	6/14/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation			39.1972	38 °	39.197288 °	
пеш				-121.94384	17 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t _ 2012_1						
Action/Comments							

Inspector Comments: Butte Slough Drainage structure shown on the

landward and waterward side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LMEnd	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage Structure on the waterside.

Photo 2 of 8: ST_2018_NA0060_38_1_20180625_00010.jpg



Top view of the outfall flap gate.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the centerline alignment from the waterside, looking at the levee.

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* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Mainte

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Photo Documentation			39.1972	88°	39.197288°
item		-121.94384	47 °	-121.943847°		
DWR ID	VR ID DWR_NA0060_38_t _ 2012_1					
Action/Comments						

Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage Structure on the landside.

Photo 5 of 8: ST_2018_NA0060_38_1_20180625_00012.jpg



View of the centerline alignment from the landside, looking at the levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage Structure on the landside.

Location LS: Land Side WS: Water Side

Acceptable Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Photo Documentation			39.1972	88°	39.197288°
пеш				-121.94384	47 °	-121.943847 °
DWR ID	DWR_NA0	2_1				
		Action/	Comme	nts		

Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pipe from the landside.

Photo 8 of 8: ST_2018_NA0060_38_1_20180604_00007.jpg



Zoomed-in view of the pipe from the landside.

	LM Start	0.00	Rating **	Α	Issue No.		2	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
					Start		End	
	Itom	Vegetatio	n & Obstruction	ons	39.1972	88 °	39.197288	0
	Item			-121.9438	47 °	-121.943847	0	
	DWR ID	DWR_NA0	060_38_t _ 201	2_2				

Action/Comments

Inspector Comments: There is minimal vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

	LM Start	0.00	Rating **	Α	Issue No.		3	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category	Structures & Concrete Lined			GPS Latitude/Longitude			
		Channels			Start		End	
	Item	Shoaling /	Sedimentation	on	39.1972	88 °	39.197288	0
	Item				-121.9438	47°	-121.943847	0
	DWR ID	DWR_NA0	060_38_t _ 201	2_3				
				_				

No Photos

Action/Comments

Inspector Comments: No shoaling or sedimentation is present.

	LM Start	0.00	Rating **	Α	Issue No.		4	
	LM End	0.00	Issue Type +	Ma	Location *			
	Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
	Calegory				Start		End	
	Item	Erosion /	Bank Caving		39.1972	88°	39.197288	0
					-121.9438	47 °	-121.943847	0
	DWR ID	DWR_NA0	060_38_t _ 201	2_4				

No Photos

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	tituc	le/Longitude	
Calegory	Channels		Start		End		
Item	Revetments			39.1972	88°	39.197288°	
пеш			-121.9438	47 °	-121.943847°		
DWR ID	DWR_NA0060_38_t _ 2012_5						
	Action/Comments						

No Photos

Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Encroachments			39.1972	88°	39.197288	0
пеш				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_6				
	Action/Comments						

Inspector Comments: No encroachments or obstructions present.

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 39.197288° 39.197288° Item -121.943847° -121.943847 DWR ID DWR NA0060 38 t 2012 7

Action/Comments

Inspector Comments: No debris observed around the pipe.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 39.197288° 39.197288 ° Item Cracks -121.943847° -121.943847° DWR_NA0060_38_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working

condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Itom	Metal Pipe	es		39.1972	88°	39.197288	٥
item				-121.9438	47 °	-121.943847	. 0
DWR ID	DWR_NA0	060_38_t _ 201	2_9				
	LM End Category Item	LM End 0.00 Structures Channels Item Metal Pipe	LM End O.00 Issue Type + Structures & Concrete I Channels Metal Pipes	LM End 0.00 Issue Type + Ma Structures & Concrete Lined Channels Metal Pipes	LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS La Start Start Item Metal Pipes 39.19726 -121.9438 -121.9438-	LM End 0.00 Issue Type + Ma Location * Category Structures & Concrete Lined Channels GPS Latitudes Start Item Metal Pipes 39.197288 ° -121.943847 °	LM End 0.00 Issue Type + Ma Location * Category Structures & Concrete Lined Channels GPS Latitude/Longitude Start End Metal Pipes 39.197288 -121.943847 -121.943847

Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.197288° 39.197288° Item -121.943847° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_10

Action/Comments

Inspector Comments: There are no trash racks on this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Category		Start		End		
Item	Flap Gate	es .		39.1972	88°	39.197288	0
пеш				-121.9438	47°	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_11				
			_				

Action/Comments

Inspector Comments: The flap gate appears to be in proper working condition. Minor debris propping the gate open.



View of the flat gate partly opened because of debris.

Page 6 of 11

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

U : Unacceptable

N: Not Inspected/Rated M: Minimally Acceptable Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels Channels			Start		End
Item	Sluice/Sli	de Gates		39.19728	B°	39.197288 °
пеш				-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_12			
		A .: /	_			

Action/Comments

Inspector Comments: No sluice or slide gates are present.

LM Start	0.00	Railing	IN	issue ivo.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Electric Gate Operators			39.19728	8°	39.197288	0
iteiii				-121.94384	7°	-121.943847	•
DIA/D ID	DIAID NIAG	000 00 1 001	0 40				

DWR ID DWR_NA0060_38_t _ 2012_13

Action/Comments

Inspector Comments: No electric gate operators present.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	tituc	le/Longitude	
Calegory	Channels					End	
Item	Manual G	ate Operators	i	39.19728	88°	39.197288°	
пеш				-121.94384	17 °	-121.943847 °	
DWR ID DWR_NA0060_38_t _ 2012_14							
	Action/Comments						

Inspector Comments: No manual gate operators on this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels			Start		End
Item	Concrete	Surfaces		39.19728	8°	39.197288 °
пеш				-121.94384	7°	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_15			
			_			

Action/Comments

Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.19728	8°	39.197288	0
item				-121.94384	7°	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_16				

Action/Comments

Inspector Comments: This does not apply to this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 39.197288° 39.197288 ° Item -121.943847 ° -121.943847° DWR_NA0060_38_t _ 2012_17 DWR ID Action/Comments

Inspector Comments: No concrete foundation or structure present.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Lat	itud	le/Longitude
Calegory				Start		End
Item	Security F	encing		39.19728	8 °	39.197288 °
пеш				-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_18			
			_			

Action/Comments

Inspector Comments: No security fencing present.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.197288° 39.197288° Item -121.943847° -121.943847 DWR ID DWR_NA0060_38_t _ 2012_19

Action/Comments

Inspector Comments: This structure does not appear to have a closure structure.

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 39.197288° 39.197288 ° Item -121.943847° -121.943847° DWR_NA0060_38_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: There is no trash rake on this facility.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Linea				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Other Metallic Items			39.19728	3°	39.197288°	
пеш				-121.94384	7 °	-121.943847 °	
DWR ID	VR ID DWR_NA0060_38_t _ 2013_21						
A -ti/C							

Action/Comments

Inspector Comments: No other metallic items other than the culvert.

LM Start	0.00	Rating **	N	Issue No.		22		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start E		End		
Item	Monolith Joints			39.1972	88°	39.197288	0	
пеш				-121.9438	47 °	-121.943847	0	
DWR ID	DWR ID DWR_NA0060_38_t _ 2012_22							
Action/Comments								

Inspector Comments: No joints to inspect.

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Safety			39.1972	38 °	39.197288°	
пеш				-121.94384	17 °	-121.943847 °	
DWR ID DWR_NA0060_38_t _ 2012_23							
Action/Comments							

Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Calegory				Start	End		
Operation & Maintenance			39.1972	88 °	39.197288 °		
пеш	Manual			-121.9438	47°	-121.943847 °	
DWR ID	DWR ID DWR_NA0060_38_t _ 2013_24						
Action/Comments							
Inspector Comments: O&M is available at the office.							

No Photos

* Location LS: Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure				
Butte Slough Outfall Structure				

Structure Rating	Α
Date of Inspection	6/14/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Photo Documentation			39.1949	72 °	39.194972°
пеш				-121.9360	88 °	-121.936088 °
DWR ID	DWR_NA0060_42_t _ 2012_1					
Action/Comments						

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the Butte Slough Outfall Structure from the landside crown.

Photo 2 of 8: ST_2018_NA0060_42_1_20180625_00013.jpg



View of the Butte Slough Outfall Structure on the landside Photo 3 of 8 : ST_2018_NA0060_42_1_20180625_00014.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Another view of the Butte Slough Outfall Structure on the landside.

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

or & Maintain En . Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Photo Do	Photo Documentation		39.19497	'2 °	39.194972°
пеш				-121.936088 °		-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_1			
Action/Comments						

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the mechanical gate operation mechanism.

Photo 5 of 8: ST_2018_NA0060_42_1_20180625_00016.jpg



View of the rust on the gears and railing.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Butte Slough outfall structure facing Sacramento River.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

in En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Structures & Concrete Lined		GPS Latitude/Longitude			
Category Channels		Start		End		
Item	Photo Do	Photo Documentation		39.1949	72 °	39.194972°
item			-121.9360	88 °	-121.936088°	
DWR ID	DWR_NA0	060_42_t _ 201	2_1		,	
Action/Comments						

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.

	(lake
A	
	06 14 2018

Photo 7 of 8: ST_2018_NA0060_42_1_20180625_00018.jpg

View of the Butte Slough Outfall Structure on the waterside. Note minor erosion around the headwall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8: ST_2018_NA0060_42_1_20180625_00019.jpg



View of the stop log slots on the waterside. Note minor erosion around the headwall.

LM Start	0.00	Rating **	М	Issue No.		2		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined		GPS Latitude/Longitude						
Calegory	Category Channels		Start		End			
Item	Vegetatio	egetation & Obstructions		39.19497	'2	39.194972°		
item			-121.93608	88°	-121.936088 °			
DWR ID	DWR_NA0	060_42_t _ 201	2_2					
	A :: 10							

Action/Comments

Inspector Comments: Some logs jammed near the slide gates which may impact proper operation of the structure.

Photo 1 of 1: ST_2018_NA0060_42_2_20180625_00012.jpg



View of the log jammed near the slide gate.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony				atitud	le/Longitude		
Category	Channels	nels		Start		End	
Item	Shoaling /	Sedimentation	on	39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_3				
			_				

Action/Comments

Inspector Comments: No shoaling or sedimentation visible.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 4

Action/Comments

Inspector Comments: No significant erosion or bank caving was observed on the landside. However, there is minor erosion around the headwall on the waterside which does not appear to undermine the structure at this time.

No Photos

Rating ** Issue No. LM Start 0.00 5 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 39.194972° 39.194972 ° Item -121.936088 ° -121.936088 DWR ID DWR_NA0060_42_t _ 2012_5

Action/Comments

Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		39.19497	2°	39.194972 °	
пеш			-121.93608	3°	-121.936088 °		
DWR ID	DWR_NA0060_42_t _ 2012_6						
	A = 1' = = 1 (O = = = = = = 1 =						

Action/Comments

Rating **

Inspector Comments: No encroachments or obstructions are visible.

LM End 0.00 Issue Type + Ma Location *

Structures & Concrete Lined GPS Latitude/Longitude

Category Channels

Issue No.

 Category
 Channels
 Start
 End

 Item
 Culverts: Inlets / Outlets
 39.194972 °
 39.194972 °

 -121.936088 °
 -121.936088 °
 -121.936088 °

Α

DWR ID DWR_NA0060_42_t _ 2012_7

0.00

LM Start

Action/Comments

Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 39.194972° 39.194972 ° Item Cracks -121.936088° -121.936088 DWR_NA0060_42_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: Culverts were submerged at the time of this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Metal Pipe	es		39.19497	'2 °	39.194972°		
пеш			-121.93608	88°	-121.936088 °			
DWR ID	R ID DWR_NA0060_42_t _ 2012_9							
	A 11 10							

Action/Comments

Inspector Comments: Pipes were fully submerged at the time of the inspection.

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	s & Concrete I	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_10				
A :: 10							

Action/Comments

Inspector Comments: No trash racks on this structure.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	& Concrete I	GPS Latitude/Longitude					
Category Channels				Start		End	
Item	Flap Gate	s		39.1949	72°	39.194972°	
пеш				-121.9360	88°	-121.936088°	
DWR ID DWR_NA0060_42_t _ 2012_11						·	
Action/Comments							

Inspector Comments: Flap gates were fully submereged at the time of this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Sluice/Sli	de Gates		39.19497	'2 °	39.194972°	
пеш					88°	-121.936088 °	
DWR ID	DWR_NA0	WR_NA0060_42_t _ 2012_12					
	A :: 10						

Action/Comments

Inspector Comments: Gates appear to be operating normally, however, afew logs were observed near slide gates at the time of inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 13

Action/Comments

Inspector Comments: No electric gate operators at this facility.

LM Start	0.00	Rating **	Α	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category	s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels		Start		End	
Item	Manual Gate Operators				72 °	39.194972°
пеш				-121.93608	38°	-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_14						
Action/Comments						

Inspector Comments: Manual gate operators appear to be in good working condition, however, some lubrication may need to be applied to ensure proper operation of the mechanism.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	15			
LM End	0.00	Issue Type +	Ma	Location *				
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End		
Item	Concrete	Surfaces		39.19497	2°	39.194972 °		
пеш		-121.93608	8°	-121.936088 °				
DWR ID	DWR_NA0060_42_t _ 2012_15							
	A :: 10							

Action/Comments

Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Channels				Start		End
Item	Concrete	Tilting / Settle	ment	39.19497	'2 °	39.194972°
пеш				-121.93608	88°	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_16			

Action/Comments

Inspector Comments: No evidence of tilting sliding or settlement.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels				GPS La	tituc	le/Longitude	
				Start		End	
Item	Concrete	Foundations		39.19497	'2°	39.194972°	
пеш				-121.93608	88°	-121.936088 °	
DWR ID	DWR_NA0	DWR_NA0060_42_t _ 2012_17					
Action/Comments							

Inspector Comments: No evidence of erosion, scouring or undermining near the structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined GPS Latitudes		,		itud	e/Longitude		
Category	Channels		Start		End		
Item	Security F	Security Fencing		39.19497	2 °	39.194972 °	
пеш				-121.93608	8°	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_18				
	A 11 10						

Action/Comments

Inspector Comments: There is a security gate on the road, but no security fencing to inspect.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR_NA0060_42_t _ 2012_19

Action/Comments

Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined		GPS Latitude/Longitude						
Calegory	Channels		Start		End			
Item	Trash Ral	ces		39.19497	'2 °	39.194972	•	
item				-121.93608	8 °	-121.936088	۰	
DWR ID	DWR_NA0	060_42_t _ 201	2_20					
	Action/Comments							

Inspector Comments: No trash rake at this structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure		Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

							_
LM Start	0.00	Rating **	М	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Other Met	tallic Items		39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_21				
	Action/Comments						

No Photos

Inspector Comments: Corrosion on metal support structure at waterline may need repair as it appears to be significant in some portions of the angle iron members. Metal railings and catwalks are showing signs of rust. Metal items should be painted or coated to prevent corrosion.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Calegory	Category Channels		Start		End		
Item	Monolith Joints		39.1949	72 °	39.194972°		
item			-121.93608	38°	-121.936088 °		
DWR ID	DWR_NA0	060_42_t _ 201	2_22				
	A :: 10						

No Photos

Action/Comments

Inspector Comments: Joints appear to be in good condition.

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Safety			39.1949	72°	39.194972 °	
item				-121.9360	88 °	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_23							
Action/Comments							

Inspector Comments: Railing is in place at manual sluice gate controls.

No Photos

Location LS: Land Side WS: Water Side

CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Catagon	,	s & Concrete I	Lined	GPS La	atitud	le/Longitude	
Channels				Start		End	
Item		Operation & Maintenance			72 °	39.194972	0
пеш	Manual				88 °	-121.936088	5
DWR ID	DWR_NA0	060_42_t _ 201	3_24				
		Action/	'Comme	nts			
Inspecto	nspector Comments: O&M is available at the office.						

No Photos

* Location LS: Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Colusa Weir	

Structure Rating	Α
Date of Inspection	6/19/2018
DWR Inspector	Bob Duffey
Accompanied By	

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Photo Documentation			39.2321	35 °	39.232135 °
пеш				-121.9962	53 °	-121.996253°
DWR ID DWR_NA0060_55_t _ 2012_1						
Action/Comments						

Inspector Comments: Typical views of Colusa Weir.

Photo 1 of 7 : ST_2018_NA0060_55	o_1_20180629_00017.jp@
	*
and the same of th	Marie Marie Marie Militarion.
THE THE PROPERTY OF	The second secon
	SALES OF THE SALES
Control of the ball of the Miles	
	20. 10. 10. 10.0

View of the weir from the left bank looking downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ма	Location *	

Photo 2 of 7: ST_2018_NA0060_55_1_20180629_00018.jpg



View of the weir from the right bank looking downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is the upstream view of the Colusa Weir structure.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

	Structure	Structure Length	Inspection Start/End	Inspector
Co	lusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ма	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Photo Documentation			39.2321	35°	39.232135°
item				-121.996253 °		-121.996253 °
DWR ID DWR_NA0060_55_t _ 2012_1						
Action/Comments						

Inspector Comments: Typical views of Colusa Weir.

Photo 4 of 7: ST_2018_NA0060_55_1_20180711_00033.jpg
and a Market
A CONTRACTOR OF THE SECOND SEC
TOP TO THE RESERVE OF THE PARTY

This is the downstream view of the Colusa Weir structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 7: ST_2018_NA0060_55_1_20180629_00020.jpg



View of the downstream side of the weir look at the right bank.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Typical view of the weir.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Photo Documentation			39.2321	35 °	39.232135°
item				-121.9962	53 °	-121.996253°
DWR ID DWR_NA0060_55_t _ 2012_1						
Action/Comments						

Action/Comments

Inspector Comments: Typical views of Colusa Weir.



View of the upstream side of the weir looking at the right bank .

Photo 1 of 2: ST_2018_NA0060_55_2_20180629_00029.jpg

LM Start	0.00	Rating **	М	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Vegetation & Obstructions			39.2321	35°	39.232135°	
item				-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0	060_55_t _ 201	2_2			·	

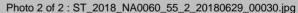
Action/Comments

Inspector Comments: Scattered debris, sediment, and obstructions should be removed. The flow is minimally impeded.

		08:1	9 2018

View of the typical vegetation found in the weir looking downstream.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of the debris that has built up around the piles of the bridge.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Shoaling /	Sedimentation	on	39.23213	5°	39.232135 °	
item				-121.99625	3°	-121.996253°	
DWR ID	DWR_NA0060_55_t _ 2012_3						
	Action/Comments						

Inspector Comments: Sedimentation present...



View of the sediment builds up along piles.

Rating ** Issue No. LM Start 0.00 Α Issue Type + Location * LM End 0.00 Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Erosion / Bank Caving 39.232135° 39.232135 ° Item -121.996253° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_4

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	_
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item	Revetmer	nts		39.23213	5 °	39.232135	0
пеш	item		-121.99625	3°	-121.996253	0	
DWR ID	DWR_NA0	060_55_t _ 201	2_5				

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap is visible.

Photo 1 of 1: ST_2018_NA0060_55_5_20180629_00025.jpg



View of the riprap on the downstream side of the weir.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Encroach	ments		39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_6				
			_				

Action/Comments

Inspector Comments: The debris needs to be removed that is called out in Issue 2 "Vegetation & Obstructions.

LM Start	0.00	Rating **	N	Issue No.		7		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Channel				Start		End		
Item	Culverts:	Inlets / Outlets	S	39.2321	35°	39.232135	0	
nem				-121.9962	53 °	-121.996253	0	
DWR ID	DWR_NA0	060_55_t _ 201	2_7					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 39.232135° 39.232135° Item Cracks -121.996253 ° -121.996253 ° DWR_NA0060_55_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item	Metal Pipe	es		39.23213	35 °	39.232135 °
пеш		·		-121.99625	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_9			
		A .:	_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.232135° 39.232135° Item -121.996253 ° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Flap Gate	S		39.2321	35°	39.232135°		
item				-121.9962	53°	-121.996253 °		
DWR ID DWR_NA0060_55_t _ 2012_11						·		
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni		s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels	annels		Start		End	
Item	Sluice/Sli	de Gates		39.23213	5 °	39.232135	•
пеш				-121.99625	3°	-121.996253	•
DWR ID	DWR_NA0	060_55_t _ 201	2_12				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.232135° 39.232135° Item -121.996253° -121.996253 ° DWR ID DWR NA0060 55 t 2012 13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 14 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 39.232135° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR_NA0060_55_t _ 2012_14 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels		Start		End	
Item	Concrete	Surfaces		39.2321	35 °	39.232135	0
Item				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_15				
			_				

Action/Comments

Inspector Comments: Negligible spalling, scaling or cracking.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Concrete	Tilting / Settle	ment	39.23213	5 °	39.232135	0
item			-121.99625	3°	-121.996253	0	
DWR ID	DWR_NA0	060_55_t _ 201	2_16				

Action/Comments

Inspector Comments: There are no areas of tilting, sliding, or settlement on the weir or abutments.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels	nannels		Start		End		
Item	Concrete	Foundations		39.23213	5°	39.232135 °		
пеш				-121.99625	3°	-121.996253 °		
DWR ID	DWR_NA0	060_55_t _ 201	2_17					
	Action/Comments							

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels		Start		End	
Item	Security F	encing		39.2321	35 °	39.232135	0
Item				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_18				
			_				

Action/Comments

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access.

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.232135° 39.232135° Item -121.996253° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_19

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Location * I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 39.232135° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR_NA0060_55_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	24	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	nannels		Start		End
Item	Other Met	tallic Items		39.23213	5 °	39.232135°
пеш				-121.99625	3 °	-121.996253°
DWR ID	DWR_NA0	060_55_t _ 201:	3_24			
		A .: /	_			

Action/Comments

Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.232135° 39.232135° Item -121.996253° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_22

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 39.232135° 39.232135 ° Item -121.996253° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_23

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	annels		Start		End	
Item		& Maintenan	ce	39.23213	°	39.232135	0
пеш	Manual			-121.996253 °		-121.996253	٥
DWR ID	DWR_NA0	060_55_t _ 201	4_21				
		Action/	Comme	nte			

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Goose Lake Overflow Structure	

Structure Rating	Α
Date of Inspection	6/27/2018
DWR Inspector	Bob Duffey
Accompanied By	Shawn Freitag Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Photo Documentation			39.5692	48 °	39.569248 °
пеш			-121.9825	69°	-121.982569°	
DWR ID DWR_NA0060_225_t _ 2013_1						
		A 4:	_	,		

Action/Comments

Inspector Comments: Google Earth Satellite view of the structure.



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *	LS	
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Vegetation & Obstructions			39.5692	47°	39.569247°
item			-121.9825	69°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20 ⁻	13_2			·

Action/Comments

Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.

View of the vegetation on the downstream of the weir.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	LS

Photo 2 of 2: ST_2018_NA0060_225_2_20180711



View of the vegetation on the upstream of the weir.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Category	GPS Latitude/Longitude						
Calegory	Channels				Start		
Itom	Shoaling / Sedimentation			39.569248 °		39.569248	
пеш	ltem -121.982569 ° -1						
DWR ID DWR_NA0060_225_t _ 2013_3							
Action/Comments							

Inspector Comments: No shoaling or sedimentation present.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_4

Action/Comments

Inspector Comments: No active erosion.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetments			39.5692	48°	39.569248 °	
пеш				-121.98256	69°	-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_5						

Action/Comments Inspector Comments: Existing riprap protection is properly maintained.

Photo 1 of 1: ST_2018_NA0060_225_5_20180711_00008.jpg



View of the exisiting revetmenst on the downstream of the weir.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			39.56924	8°	39.569248°	
пеш	tem				9°	-121.982569°	
DWR ID DWR_NA0060_225_t _ 2013_6							
		A .: /	_				

Action/Comments

Inspector Comments: There is no debris at this location.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts: Inlets / Outlets			39.5692	48 °	39.569248 °	
iteiii				-121.9825	69°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_7				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *		LS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels				End	
Item		Breaks / Hole	s /	39.5692	48 °	39.569248 °	
item	Cracks	acks			69°	-121.982569 °	
DWR ID	WR ID DWR_NA0060_225_t _ 2013_8					·	
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Category	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude		
Calegory	Channels	channels		Start		End	
Item	Metal Pip	es		39.5692	48°	39.569248	0
пеш				-121.9825	69°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_9				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 Issue Type + 0.00 Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		LS
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End
Item	Flap Gate	S		39.5692	48 °	39.569248°
item				-121.9825	69°	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_11					
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *	LS		
Structures & Concrete Lined		GPS Lati	tuc	le/Longitude			
Calegory	Channels	Channels		Start		End	
Item	Sluice/Sli	de Gates		39.56924	3°	39.569248	0
пеш				-121.982569	°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20 ⁻	13_12				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 13 Issue Type + 0.00 Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		LS
Structures & Concrete Lined			GPS La	atitud	e/Longitude	
Calegory	Channels	nnels				End
Item	Manual G	ate Operators		39.5692	48°	39.569248°
iteiii			-121.9825	69°	-121.982569°	
DWR ID	DWR_NA0	060_225_t _ 20	13_14			
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ма	Location *	LS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End
Item	Concrete	Surfaces		39.5692	48 °	39.569248°
пеш				-121.9825	69°	-121.982569°
DWR ID	DWR_NA0	R_NA0060_225_t _ 2013_15				
	Action/Comments					

Inspector Comments: Farm equipment needs to stay off of the weir to prevent further damage to the concrete surface.

Photo 1 of 1 : ST_2018_NA0060_225_15_20180711_00009.jpg

View of the crown roadway on the top of the weir.

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		LS
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels		Start		End	
Item	Concrete	Tilting / Settle	ment	39.5692	48°	39.569248°
пеш		-		-121.9825	69°	-121.982569°
DWR ID	DWR_NA0	060_225_t _ 20	13_16			
		Action/	Commo	nte		

Inspector Comments: No tilting was identified.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined		GPS La	titud	le/Longitude			
Category	Channels		Start		End		
Item	Concrete	Foundations		39.56924	48 °	39.569248	۰
пеш				-121.98256	69°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_17				
Action/Comments							

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Security Fencing			39.56924	8°	39.569248 °	
item				-121.98256	9°	-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_18						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Closure Structures		39.5692	48 °	39.569248 °		
				-121.9825	69 °	-121.982569 °	

DWR ID DWR_NA0060_225_t _ 2013_19

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 20 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 39.569248° 39.569248 ° Item -121.982569° -121.982569 ° DWR_NA0060_225_t _ 2013_20 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *	LS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Other Met	allic Items		39.569248	°	39.569248
пеш				-121.982569	°	-121.982569
DWR ID	DWR_NA0060_225_t _ 2013_21					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 22 Issue Type + Ма Location * LS 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR NA0060 225 t 2013 22

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 24 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 39.569248° 39.569248 ° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_24

Action/Comments

Inspector Comments: The yard maintains good safety procedures and no hazards were observed.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Itom	Operation & Maintenance		39.5692	48 °	39.569248°		
Item	Manual			-121.9825	69°	-121.982569°	
DWR ID	DWR_NA0060_225_t _ 2013_23						
Action/Comments							

Inspector Comments: There is not an O+M manual for this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Highland Canal Diversion Weir An	Drainage Structure

Structure Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	Zach Jojola
Accompanied By	Corey Fujitani DWR
	Bob Duffey DWR
	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Documentation			39.1263	17°	39.126317°	
item				-122.8827	33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012					
Action/Comments							

Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.



View of the weir. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Line			_ined	GPS La	titud	le/Longitude	
Category	Channels			Start		End	
Item	Vegetation & Obstructions			39.1263	17°	39.126317	0
item				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_2				

Action/Comments

Inspector Comments: there is some minor vegetation that will not impede the flow of water through the culvert or over the weir structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Shoaling / Sedimentation			39.1263	17°	39.126317 [°]	0
item			-122.8827	33 °	-122.882733 °	0	
DWR ID	DWR_NA0	009_7_t _ 2012	_3				

Action/Comments

Inspector Comments: No shoaling or sedimentation was present.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item	Erosion /	Erosion / Bank Caving		39.12631	7°	39.126317°
пеш				-122.88273	3°	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_4			
		A - 1' 1	<u> </u>	-1-		

Action/Comments

Inspector Comments: No active erosion or active bank caving was observed around the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR NA0060 7 t 2018 5 DWR ID

Action/Comments

Inspector Comments: No riprap was present at this structure.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Encroachments 39.126317° 39.126317 ° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_6 Action/Comments

Inspector Comments: No debris was found at the structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Page 3 of 9

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	e/Longitude
Category	Channels			Start		End
Culverts: Inlets / Outlets			39.1263	17°	39.126317°	
пеш	item			-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_7			
		Action/	Comme	nts		

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the inlets. Summer 2018.

Photo 2 of 2: ST_2018_NA0060_7_7_20180716_00010.jpg



View of the outlets. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Culverts: Breaks / Holes /			39.1263	17°	39.126317 °
пеш	Cracks	Cracks			33 °	-122.882733
DWR ID	DWR_NA0	009_7_t _ 2012	_8			
		Action/	Comme	nts		
Inspector (detected in		: There were rt.	no visible	e breaks, h	oles	, or cracks

No Photos

Tuesday, August 28, 2018 11:26

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category		Start		End	
Item	Metal Pipe	Metal Pipes		39.1263 ⁻	17°	39.126317°
пеш				-122.88273	33°	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_9			
			_			

Action/Comments

Inspector Comments: The outlet pipes appeared to be in good condition.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Itom	Flap Gates			39.1263	17°	39.126317°	
Item '			-122.8827	33 °	-122.882733 °		
DWR ID	DWR_NA0	009_7_t _ 2012	_11				
Action/Comments							

Inspector Comments: The flap gates appeared to be in working condition.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels		Start		End		
Item	Sluice/Sli	Sluice/Slide Gates			17°	39.126317°
пеш				-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_12			
		A .:	_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating **

LM End 0.00 Issue Type + Ma Location *

Category Structures & Concrete Lined Channels Start End

Ν

Issue No.

13

ltem Electric Gate Operators 39.126317 ° 39.126317 ° -122.882733 ° -122.882733 °

DWR ID DWR_NA0009_7_t _ 2012_13

0.00

LM Start

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 14 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 39.126317° 39.126317 ° Item -122.882733° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_14 Action/Comments

Inspector Comments: There are no slide gates on this location.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Concrete	Surfaces		39.1263	17°	39.126317°
пеш				-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_15			
	Action/Comments					

Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the concrete structure. Summer 2018.

Photo 2 of 3: ST_2018_NA0060_7_15_20180716_00013.jpg



Additional view of the concrete structure, facing towards the downstream relief channel. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Additional view of the concrete structure, facing the inlet. Summer 2018.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected 4/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels	hannels				End
Item	Concrete	Concrete Tilting / Settlement			17°	39.126317°
пеш				-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_16			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Foundations		39.1263	17°	39.126317	0
пеш				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_17				
		Action/	'Comme	nts			

No Photos

Inspector Comments: No scouring or erosion was found near the structure.

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Security F	encing		39.1263	17°	39.126317	0
пеш				-122.8827	33°	-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_18				
	Action/Comments						

No Photos

Inspector Comments: This item does not apply to this inspection.

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	_ined	GPS La	titud	e/Longitude
Calegory	Channels	Channels		Start		End
Item	Closure S	tructures		39.1263	7°	39.126317 °
пеш				-122.88273	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012 ₋	_19			

Action/Comments

Inspector Comments: This item doesn't apply to this structure.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Cotogoni		& Concrete I	_ined	GPS La	titud	le/Longitude
Category	Channels			Start		End
Item T	rash Rak	es		39.1263	17°	39.126317 °
пеш				-122.8827	33 °	-122.882733 °
DWR ID D	WR_NA0	009_7_t _ 2012	_20			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Other Me	tallic Items		39.1263	17°	39.126317°	
пеш				-122.8827	33°	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_21				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Monolith Joints			39.1263	17°	39.126317°
item				-122.88273	33 °	-122.882733 °
DWR ID	DWR_NA0060_7_t _ 2014_22					
Action/Comments						

Inspector Comments: The monolith joints material were in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR NA0009 7 t 2012 23 DWR ID

Action/Comments

Inspector Comments: There were no safety hazards around the structure.

No Photos

Rating ** Issue No. LM Start 0.00 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 39.126317° 39.126317 Item Manual -122.882733 ° -122.882733 ° DWR_NA0060_7_t _ 2013_24 DWR ID Action/Comments

Inspector Comments: The district has the O&M manual in their office.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Little Chico Creek Control And Weir Structures	

Structure Rating	Α
Date of Inspection	7/19/2018
DWR Inspector	Sterling York
Accompanied By	

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.7335	555°	39.733555 °
item				-121.771772 °		-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the Little Chico Structure looking upstream, 2018.

Photo 2 of 6: ST_2018_NA0060_9_1_20180723_00016.jpg



View of the weir looking upstream, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the control structure looking north, 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

nitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.7335	55°	39.733555 °
пеш	item			-121.771772 °		-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 6: ST_2018_NA0060_9_1_20180723_00019.jpg

View of the control structure looking south, 2018.

Photo 5 of 6: ST_2018_NA0060_9_1_20180723_00021.jpg



View of the control structure looking downstream, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the control structure looking south, from the creek bed, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

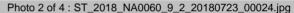
LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			res & Concrete Lined GPS Latitude/Longitude		
Calegory				Start		End
Item	Vegetation & Obstructions			39.7335	55 °	39.733555°
пеш				-121.7717	72 °	-121.771772 °
DWR ID	DWR_NA0060_9_t _ 2012_2					·
Action/Comments						

Inspector Comments: Vegetation should be removed before winter, 2018.

Photo 1 of 4: ST_2018_NA0060_9_2_20180723_00025.jpg
The same of the sa
A STATE OF THE PARTY OF THE PAR
07/18/2018
A STATE OF THE STA

This is a view looking upstream at the vegetation from the control structure, 2018.

LM Start 0.00 Rating ** A Issue No. 2 (cont) LM End 0.00 Issue Type + Ma Location *





This is a view looking downstream from the control structure at the vegetation, 2018.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2018_NA0060_9_2_20180723_00022.jpg



This is a view looking upstream at the vegetation looking downstream from the weir, 2018.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		2 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category	Channels					End
Item	Vegetatio	n & Obstructio	ns	39.7335	55 °	39.733555 °
пеш				-121.7717	72 °	-121.771772 °
DWR ID DWR_NA0060_9_t _ 2012_2						
Action/Comments						

Inspector Comments: Vegetation should be removed before winter, 2018.



This is a view looking downstream from the weir at the vegetation, 2018.

LM Start	0.00 Rating ** A		Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Shoaling /	Sedimentation	n	39.7335	55°	39.733555°
пеш				-121.7717	72 °	-121.771772°
DWR ID	060_9_t _ 2012	_3				

Action/Comments

Inspector Comments: There appears to be little/no shoaling or sedimentation, the flow does not appear to be impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Erosion /	Bank Caving		39.7335	55 °	39.733555	•
пеш				-121.7717	72 °	-121.771772	0
DWR ID DWR_NA0060_9_t _ 2012_4							
Action/Comments							

Inspector Comments: No erosion observed during inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Category	s & Concrete I	GPS La	tituc	le/Longitude			
Calegory	Channels					End	
Item	Revetmer	nts		39.73355	5 °	39.733555 °	
пеш				-121.77177	'2 °	-121.771772 °	
DWR ID DWR_NA0060_9_t _ 2012_5							
	Action/Comments						

Inspector Comments: Riprap appeared to be in place and sufficient, 2017.

No Photos

LM Start	0.00	Rating **	М	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		e/Longitude
Calegory	Channels			Start		End
Item	Encroach	ments		39.7335	55°	39.733555 °
пеш				-121.7717	72 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_6			

Action/Comments

Inspector Comments: Wood debris encroachment in the weir may inhibit flows and should be removed, 2018.



View of a few logs trapped in the weir, flows may be effected by them,

0.00 Rating ** Issue No. LM Start Μ 6 (cont) Location ' LM End 0.00 Issue Type + Ma





View of a few logs trapped in the weir, flows may be effected by them, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS La	tituc	le/Longitude			
Calegory	Channels					End	
Item	Culverts:	Inlets / Outlets	3	39.7335	55 °	39.733555°	
пеш				-121.7717	72 °	-121.771772°	
DWR ID DWR_NA0060_9_t _ 2012_7							
	Action/Comments						

Inspector Comments: Inlets and outlets are clear of obstructions, 2018.



View of outlets clear of obstructions, 2018.

 LM Start
 0.00
 Rating **
 N
 Issue No.
 7 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 2: ST_2018_NA0060_9_7_20180723_00029.jpg



Closer view of outlets clear of obstructions, 2018.

LM Start	0.00	Rating **	N	Issue No.		8			
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined			GPS La	titud	e/Longitude				
Category	Channels			Start		End			
Item		Breaks / Hole	s/	39.7335	55 °	39.733555	0		
item	Cracks			-121.77177	72 °	-121.771772	0		
DWR ID	060_9_t _ 2012								
Action/Comments									

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start		Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Metal Pipe	es		39.73355	5 °	39.733555 °
пеш				-121.77177	2 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_9			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.733555° 39.733555° Item -121.771772 ° -121.771772 ° DWR ID DWR_NA0060_9_t _ 2012_10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Flap Gate	s		39.7335	55 °	39.733555°	
пеш				-121.7717	72 °	-121.771772°	
DWR ID	DWR_NA0	060_9_t _ 2012	_11				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitud		
Calegory	Category Channels			Start		End
Item	Sluice/Sli	de Gates		39.7335	55 °	39.733555°
пеш				-121.7717	72 °	-121.771772°
DWR ID	DWR ID DWR_NA0060_9_t _ 2012_12					
	Action/Comments					

Action/Comments

Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2018.

LM Start	0.00	Rating **	Α	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the two sluice gates on either end of the control structure, 2017.

Photo 2 of 2: ST_2018_NA0060_9_12_20180716_00013.jpg



View of the two sluice gates on either end of the control structure, 2017.

LM Start	0.00	Rating **	N	Issue No.		13		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Electric G	ate Operators	;	39.7335	55 °	39.733555 °		
пеш				-121.7717	72 °	-121.771772 °		
DWR ID	DWR_NA0	060_9_t _ 2012	_13					
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Manual G	ate Operators	i	39.73355	5 °	39.733555 °
пеш				-121.77177	'2 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_14			
	Action/Comments					

Inspector Comments: There are no sluice/slide gates on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	annels		Start		End	
Item	Concrete	Surfaces		39.7335	55 °	39.733555 °	
iteiii				-121.7717	72 °	-121.771772 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_15				

Action/Comments

Inspector Comments: The concrete surface appears to be in good condition in all locations but one of the inlets is showing some wear and spalling, 2018.



View of one of the inlets that is showing some wear and spalling, 2018.

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.733555 °		39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_16				
	Action/Comments						

Inspector Comments: No noticeable or identifiable areas of tilting, sliding or settlement were observed during inspection, 2017.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Category Structures & Concrete Lined Channels		GPS Lat	GPS Latitude/Longitude		
Calegory				Start		End
Item	Concrete	Foundations		39.73355	5°	39.733555 °
пеш				-121.77177	2°	-121.771772°
DWR ID	DWR_NA0	060_9_t _ 2012	_17			
	A - 1' 10 1 -					

Action/Comments

Inspector Comments: The concrete foundation appears to be in good condition.

Rating ** Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 39.733555° 39.733555° Item -121.771772° -121.771772 ° DWR ID

DWR_NA0060_9_t _ 2012_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 Ν 19 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 39.733555° 39.733555° Item -121.771772 ° -121.771772° DWR_NA0060_9_t _ 2012_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			39.7335	55 °	39.733555 °	
пеш				-121.7717	72 °	-121.771772 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_20				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 39.733555° 39.733555° Item -121.771772° -121.771772 ° DWR ID DWR NA0060 9 t 2012 21 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. Rating ** LM Start 0.00 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 39.733555° 39.733555° Item -121.771772 ° -121.771772° DWR_NA0060_9_t _ 2012_22 DWR ID Action/Comments

Inspector Comments: Monolith joints appear to be in good condition.

No Photos

No Photos

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Safety			39.7335	55 °	39.733555°
item				-121.7717	72 °	-121.771772°
DWR ID	DWR_NA0060_9_t _ 2012_23					·
Action/Comments						

Inspector Comments: Hand rails are installed and are in good condition, 2018.

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Hand rails are installed and are in good condition, 2018.

Photo 2 of 2: ST_2018_NA0060_9_23_20180723_00032.jpg



Hand rails are installed and are in good condition, 2018.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Item Operation & Maintenance Manual		ce	39.7335	55°	39.733555	٥
item			-121.7717	72 °	-121.771772	٥	
DWR ID	DWR_NA0	060_9_t _ 2013	_24				

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
M&T Ranch Overflow Structure	

Structure Rating	M
Date of Inspection	6/18/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard
	Shawn Freitag Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		WS
Category		& Concrete I	Lined	GPS L	atitud	e/Longitude
Calegory	Channels	Channels				End
Item	Photo Documentation			39.6746	90°	39.674690°
item				-121.947010 °		-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_1			
		Action/	Comme	nts		

Photo 1 of 1: ST_2018_NA0060_228_1_20180604_00001.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		WS
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Itom	Vegetation & Obstructions		39.6746	90°	39.674690°	
Item				-121.9470	13 °	-121.947013 °
DWR ID	DWR_NA0	014_228_t _ 20	13_2			
			-			

Action/Comments

Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.

Photo 1 of 1: ST_2018_NA0060_228_2_20180626_0000	7.jpg
06 18 2018	

View of the vegetation on the upstream side of the weir.

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Shoaling / Sedimentation			39.6746	90°	39.674690	0
пеш				-121.9470	10°	-121.947010	0
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

Tuesday, August 28, 2018 11:26

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.	4			
LM End	0.00	Issue Type +	Ма	Location *		WS		
Structures & Concrete Lined			GPS Latitude/Longitude					
Category Channels				Start		End		
Erosion / Bank Caving			39.66878	9°	39.668789°			
Item				-121.95717	° o	-121.957170 °		
DWR ID	DWR_NA0	13_4						
	Action/Comments							

Inspector Comments: The soil erosion on the upstream side of the weir needs repair.

Photo 1 of 2 : ST_2018_NA006	0_228_4_20180626_00011.jpg
	06 18 Sa(6)

View of the erosion on the upstream side of the weir during 2016 & 2017 high water.

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ма	Location *	WS

Photo 2 of 2: ST_2018_NA0060_228_4_20180604_00003.jpg



View of the erosion on the upstream side of the weir during 2017 high water.

LM Start	0.00	Rating **	Α	Issue No.		5
LIVI Start	0.00	7 (49	- / \	.0000 1101		<u> </u>
LM End	0.00	Issue Type +	Ма	Location *		WS
Category Changels			GPS Latitude/Longitude			
Calegory	Channels	Channels				End
Item	Revetments			39.67469	90°	39.674690°
item				-121.94701	0°	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_5					
			_			

Action/Comments

Inspector Comments: The riprap is properly maintained.



View of the revetment on the downstream side of the weir.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.	o. 6	
LM End	0.00	Issue Type +	Ma	Location *		WS
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End
ltom	ltem Encroachments			39.6746	90°	39.674690°
Item				-121.947010 °		-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_6					
Action/Comments						

Inspector Comments: Remove the debris on the revetment.



View of the debris on the revetment.

LM Start	0.00	Rating **	N	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *	WS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Culverts: Inlets / Outlets			39.6746	90°	39.674690°	
Item			-121.9470	10°	-121.947010 °	
DWR ID	DWR_NA0	13_7				
		A ation/	Camma	-t-		

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	8			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Category Channels				GPS Latitude/Longitude				
Calegory	Channels	nannels				End		
Itom	Item Culverts: Breaks / Holes / Cracks			39.67469	00°	39.674690	•	
item				-121.94701	0 °	-121.947010	۰	
DWR ID	DWR_NA0							
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *	WS	
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Metal Pipes			39.67469	0 °	39.674690°
item				-121.94701	o°	-121.947010°
DWR ID	DWR_NA0	014_228_t _ 20	13_9			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category	Structures	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Trash Racks				39.67469	o°	39.674690	٥
item				-121.94701	o°	-121.947010	٥
DWR ID	DWR_NA0	014_228_t _ 20	13_10				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Flap Gate	s		39.6746	90°	39.674690°	
пеш				-121.9470	10°	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_11			·	

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Page 5 of 9

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels			Start		End		
Item	Sluice/Slic	de Gates		39.67469	0 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_12				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 13 Issue Type + 0.00 Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Structures & Concrete Lined				GPS Latitude/Longitude				
Channels				Start		End		
Item	Manual G	ate Operators	;	39.67469	90°	39.674690	0	
item				-121.947010 °		-121.947010 °		
DWR ID	DWR_NA0	014_228_t _ 20	13_14					
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined				GPS Latitude/Longitude			
Category				Start		End	
Item	Concrete	Surfaces		39.67469	0 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_15				
	Action/Comments						

Inspector Comments: There is no spalling or cracking at the site.

Rating ** Issue No. LM Start 0.00 Α 16 Issue Type + 0.00 Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_16

Action/Comments

Inspector Comments: There are no significant areas of tilting at this site.

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels Channels				Start		End	
Item	Concrete	Foundations		39.67469	00°	39.674690	0
iteiii				-121.94701	0 °	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_17				
		Action/	Comme	nts			

Inspector Comments: There is no erosion or undermining of the structure.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ма	Location *	WS		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Security F	encing		39.67469	0 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_18				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR_NA0014_228_t _ 2013_19 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Ma Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR_NA0014_228_t _ 2013_20 DWR ID

Action/Comments Inspector Comments: This item does not apply to this inspection. No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	21			
LM End	0.00	Issue Type +	Ма	Location *	WS			
Structures & Concrete Lined			GPS Latitude/Longitude					
Category	Channels			Start		End		
Item	Other Met	tallic Items		39.67469	0 °	39.674690 °		
пеш				-121.94701	0 °	-121.947010 °		
DWR ID	DWR_NA0	014_228_t _ 20	13_21					
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 22 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_22

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 39.674690° 39.674690 ° Item -121.947010° -121.947010° DWR_NA0014_228_t _ 2013 23 DWR ID

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a safety program in place.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS La	titud	e/Longitude		
Category	Channels			Start		End	
Item	Operation & Maintenance			39.67469	90°	39.674690	0
пеш	Manual			-121.9470°	10°	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_24				
Action/Comments							

Inspector Comments: No O&M Manual exists for this structure. Other documentation is being researched.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2018 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Middle Creek Pumping Plant	

Pumping Plant Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	Zach Jojola
Accompanied By	Corey Fujitani DWR
	Bob Duffey DWR
	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	1			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Sta	itions		GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Operating	Log		39.142300	°	39.142300°		
пеш				-122.902350	°	-122.902350 °		
DWR ID DWR_NA0060_17_t _ 2012_1								
	A = 1' = = 1 (O = = = = = = 1 =							

Action/Comments

Inspector Comments: The operating log was up to date and present at the pump station.

No Photos

Rating ** Issue No. LM Start 0.00 Α 2 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Operation & Maintenance 39.142300° 39.142300° Item Manual -122.902350° -122.902350 ° DWR ID DWR_NA0060_17_t _ 2012_2

Action/Comments

Inspector Comments: The O&M manual was present at the pumping plant.

No Photos

LM Start	0.00	Rating **	М	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Plant Building			39.14230	00°	39.142300°
пеш				-122.90235	50°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_3						

Action/Comments

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.

Photo 1 of 3: ST_2018_NA0060_17_3_20180716_00019.jpg



View of the pumping plant. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	3 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category	gory			Start		End	
Item	Plant Buil	ding		39.14230	00°	39.142300°	
пеш				-122.90235	° 0	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_3							
Action/Comments							

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.

LM Sta	art	0.00	Rating **	M	Issue No.	3 (cont)
IMEn	d	0.00	Issue Type +	Ma	Location *	



View ofadjacent structure that continues to settle. Summer 2018.

Photo 3 of 3: ST_2018_NA0060_17_3_20180612_00005.jpg



View of the settlement next to the pumping plant. Summer 2017.

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Communi	cations		39.1423	00°	39.142300	0
пеш				-122.9023	50°	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	2_4				

Action/Comments

Inspector Comments: A cellular phone is available for the pump station operator.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Safety			39.14230	o°	39.142300°	
пеш				-122.90235	°	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_5				
A stick of Common and							

Action/Comments

Inspector Comments: No safety hazard was present around the plant. All of the guard rails and fences were secured and in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 Ν Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Cranes 39.142300° 39.142300° Item -122.902350° -122.902350 ° DWR NA0060 17 t 2013 6 DWR ID

Action/Comments

Inspector Comments: A crane doesn't exist at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory						End
Item	Pumps			39.14230	0°	39.142300°
пеш					0°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_7						

Action/Comments

Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level. Photo 1 of 1: ST_2018_NA0060_17_7_20180716_00022.jpg



View of the three pumps. Summer 2018.

Location LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory						End
Item	Power			39.14230	o°	39.142300°
пеш					o°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_8						

Action/Comments

Inspector Comments: The power source appears to be reliable and safe.



View of the powerlines that power the plant. Summer 2018.

LM Start	0.00	0.00 Rating ** N				10	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item		ngines, Fans	& Gear	39.1423	00°	39.142300°	
пеш	Reducers			-122.9023	50°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_10							
	Action/Comments						

Inspector Comments: There were no motors or fans present at this plant other than the pumps.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	11			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory	megory				Start			
Item	Pump Co	ntrol Systems		39.14230	o°	39.142300°		
пеш				-122.90235	o°	-122.902350°		
DWR ID	DWR_NA0	060_17_t _ 201						
	Action/Comments							

Inspector Comments: The pump control systems appeared to be operational and free of damage.



View of the pump controls. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory						End
Item	Sumps/W	et Well		39.14230	0°	39.142300°
пеш				-122.90235	0°	-122.902350 °
DWR ID	DWR_NA0060_17_t _ 2013_12					
Action/Comments						

Action/Comments

Inspector Comments: Wet wells were clear of debris.



View of the wet well. Summer 2018.

LM Start	0.00	0.00 Rating ** A		Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS La	atitud	e/Longitude
Calegory						End
Item	Trash Rad	cks		39.1423	00°	39.142300°
item				-122.9023	50°	-122.902350 °
DWR ID	DWR NA0	060 17 t 2012	2 13			

Action/Comments

Inspector Comments: Trash racks appeared to be in good condition and free of debris.



View of the trash racks. Summer 2018.

LM Start	0.00	Rating **	Ν	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory	Category			Start		End		
Item	Trash Ral	kes		39.1423	00°	39.142300	0	
пеш	em			-122.9023	50°	-122.902350	0	
DWR ID DWR_NA0060_17_t _ 2013_14								
	Action/Comments							

Inspector Comments: A trash rake doesn't exist at this location.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

Tuesday, August 28, 2018 11:26

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Page 5 of 8

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Sluice / S	lide Gates		39.14230	0°	39.142300°
пеш				-122.90235	0°	-122.902350 °
DWR ID	DWR ID DWR_NA0060_17_t _ 2013_15					
Action/Comments						

Inspector Comments: The slide gates appeared to be in a good working condition.



View of the slide gates. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory						End
Item	Electric G	ate Operators	i	39.1423	00°	39.142300°
item				-122.9023	50°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_16						
		A .: /	_			

Action/Comments

Inspector Comments: No electric gate operator was present in this plant.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Manual Gate Operators		39.14230	o°	39.142300	0	
пеш				-122.90235	o°	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	2_17				
	Action/Comments						

Action/Comments

Inspector Comments: The manual gate operators appeared to be in good working condition.





View of a manual operator at the plant. Summer 2018.

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Itom	Item Manual Gate Operators			39.142300°		39.142300°
пеш				-122.90235	50°	-122.902350 °
DWR ID	DWR_NA0	060_17_t _ 201	2_17			
Action/Comments						

Inspector Comments: The manual gate operators appeared to be in good working condition.



Another view of the manual operator. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Other Metallic Items			39.1423	00°	39.142300°	
пеш				-122.9023	50°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_18							
	A :: (O						

Action/Comments

Inspector Comments: All other metallic parts appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Flap Gate	s		39.14230	0 °	39.142300	0
item				-122.90235	0 °	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	3_19				

Action/Comments

Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category	legory		Start		End	
Item	Closure Structures			39.14230	o°	39.142300 °
пеш				-122.90235	o°	-122.902350 °
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_20					
Action/Comments						

Inspector Comments: No closure structure exists in this plant.

No Photos

Rating ** Issue No. LM Start 0.00 21 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Security Fencing 39.142300° 39.142300° Item -122.902350° -122.902350 ° DWR ID DWR_NA0060_17_t _ 2012_21

Action/Comments

Inspector Comments: Security fencing appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Item	Intake and	ntake and Discharge Pipes		39.142300	°	39.142300°	
пеш				-122.902350	°	-122.902350°	
DWR ID	DWR_NA0	060_17_t _ 201	2_22				
A -ti (Ct-							

Action/Comments

Inspector Comments: The pipes appeared to be in good working condition.



View of the intake pipes. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Moulton Weir

Structure Rating	Α
Date of Inspection	6/19/2018
DWR Inspector	Bob Duffey
Accompanied By	Bryan Reniff DWR

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Documentation			39.3382	42 °	39.338242°
item				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_1			
		Action/	Comme	nts		

Photo 1 of 8 : ST_2018_	_NA0060_4_	_1_20180629	_00019.jpg
			-
1			
Spinson di mone	and desired	and the same	addin si
	IX	CITY IN	
	1		
			251 3

View of the weir on the right bank from the upstream side of the structure.

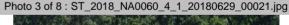
LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 8: ST_2018_NA0060_4_1_20180629_00020.jpg



View of the weir facing the left bank from the right bank side structure abutment.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of the left bank abutment.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Photo Documentation			39.3382	42 °	39.338242 °	
пеш				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking upstream right bank view of the weir.

Photo 5 of 8: ST_2018_NA0060_4_1_20180629_00026.jpg



Upstream left bank view of the weir.

Photo 6 of 8: ST_2018_NA0060_4_1_20180629_00025.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the downstream side of the weir.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.3382	42 °	39.338242 °
пеш				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_1			
		Action/	Comme	nts		

		П	1010
0			
0			Donald San
			Reg San
			1950

Photo 7 of 8 : ST_2018_NAC)060_4_1_20180629_00027.jp
	Alta Million and Allandar
ENGLISH THE PARTY OF THE PARTY	
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	413 10 2010

View of the weir facing the right bank from the left side of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8: ST_2018_NA0060_4_1_20180629_00028.jpg



View of the right bank abutment.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation & Obstructions			39.3382	42 °	39.338242 °	
пеш				-122.0220	73 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t _ 2012_2						
Action/Comments							

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.



View of the very small amount of soil and rock in the weir near the right abutment.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Shoaling / Sedimentation			39.33824	2°	39.338242°	
пеш				-122.02207	3°	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_3				

Action/Comments

Inspector Comments: No shoaling or sedimentation present.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_4

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetments			39.33824	2 °	39.338242 °	
пеш				-122.02207	3°	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_5				
Action/Comments							

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

Photo 1 of 2: ST_2018_NA0060_4_5_20180629_00030.jpg



View of revetment at outfall of weir looking towards the left bank.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Revetmer	nts		39.3382	42 °	39.338242°
пеш			-122.0220	73 °	-122.022073 °	
DWR ID	D DWR_NA0060_4_t _ 2012_5					
		Action/	Comme	nts		

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.



View of revetment at outfall of weir looking towards right bank.

LM End 0.00 Issue Type + Ma Location * Category Structures & Concrete Lined Channels GPS Latitude/Longitude Item Encroachments 39.338242 ° 39.338242 ° 39.338242 ° -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_6	LM Start	0.00	Rating **	Α	Issue No.		6
Category Channels Start End Item Encroachments 39.338242 ° 39.338242 ° -122.022073 ° -122.022073 °	LM End	0.00	Issue Type +	Ma	Location *		
Start End	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
-122.022073 ° -122.022073 °	Calegory	Channels			Start		End
-122.022073 ° -122.022073 °	ltom	Encroach	ments		39.3382	42 °	39.338242°
DWR ID DWR_NA0060_4_t _ 2012_6	пеш			-122.0220	73 °	-122.022073 °	
	DWR ID	DWR_NA0	060_4_t _ 2012	_6			

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	ituc	le/Longitude	
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	5	39.33824	2 °	39.338242	0
пеш				-122.02207	3°	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_7				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Category Channels			Start		End	
Item		Breaks / Hole	s/	39.3382	42 °	39.338242	٥
пеш	Cracks			-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_8				
		A -4:	C	-1-			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 9

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 39.338242° 39.338242 Item -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	PS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Flap Gate	S		39.33824	2 °	39.338242 °
пеш			-122.02207	3°	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_11			
		A ation/	Camma	nto		

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Channels			Start		End	
Item	Sluice/Slic	de Gates		39.33824	2°	39.338242 °
item				-122.02207	'3°	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_12			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Category Channels			Start		End	
Item	Manual G	ate Operators	i	39.3382	42°	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_14				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Concrete	Surfaces		39.3382	42 °	39.338242°
пеш				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_15			·

Action/Comments

Inspector Comments: Negligible spalling, scaling or cracking, some wear on the surface is starting to show.



Close view of slight wearing on concrete surface at the outfall wall.

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	e/Longitude	
Calegory	Channels		Start		End		
Item	Concrete	Tilting / Settle	ment	39.3382	42 °	39.338242	0
пеш			-122.0220	73 °	-122.022073	0	
DWR ID	DWR_NA0	060_4_t _ 2012	_16				

Action/Comments

Inspector Comments: There were no observed or identifiable areas of tilting, sliding or settlement on the weir or abutments during inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Concrete	Foundations		39.33824	42 °	39.338242°
пеш				-122.0220	73 °	-122.022073 °
DWR ID	WR ID DWR_NA0060_4_t _ 2012_17					
		Action/	Commo	nte		

Inspector Comments: No scouring / erosion or undermining near the structure. There is a small crack in the weir slab and part way up the left bank abutment wall.



View of a small cracks in the weir slab and part way up the left bank abutment wall.

LM Start	0.00	Rating **	Α	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Security F	encing		39.3382	42°	39.338242 °
item				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_18			

Action/Comments

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

No Photos

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End			
Item	Closure S	tructures		39.3382	42 °	39.338242	٥
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0						
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Trash Ral	res		39.33824	2°	39.338242 °
пеш			-122.02207	'3 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t _ 2012_20					
		A - 1' 1	<u> </u>	-1-		

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Monolith .	Joints		39.33824	2 °	39.338242 °
пеш				-122.02207	3 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_22			
		A -4: /	C	-1-		

Action/Comments

Inspector Comments: The monolith joint material is in fair condition, 2017.

Photo 1 of 2: ST_2018_NA0060_4_22_20180711_00035.jpg



View of the wear at one monolith joint, but not enough to compromise the integrity of the structure.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Sti	ucture	Structure Length	Inspection Start/End	Inspector
Moul	on Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	22 (cont)	
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Monolith .	Joints		39.3382	42 °	39.338242 °
пеш			-122.0220	73 °	-122.022073 °	
DWR ID	DWR_NA0	.0060_4_t _ 2012_22				
		Action/	Commo	ntc		

Action/Comments

Inspector Comments: The monolith joint material is in fair condition, 2017.

Photo 2 of 2: ST_2018_NA0060_4_22_20180711_00036.jpg

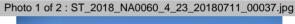


A second view of wear at the one monolith joint, but not enough to compromise the integrity of the structure.

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Safety			39.3382	42 °	39.338242 °
пеш			-122.0220	73 °	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_23			

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.





View of the safety railing installed with added guard rail around the right bank weir abutment.

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST_2018_NA0060_4_23_20180711_00038.jpg



View of the safety railing installed with added guard rail around the left bank weir abutment.

Location LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item		Operation & Maintenance Manual		39.3382	42 °	39.338242°
пеш	Manual			-122.022073 °		-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2013	_24			
Action/Comments						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Nelson Bend	

Structure Rating	Α
Date of Inspection	6/26/2018
DWR Inspector	Dave Torres
Accompanied By	Robert Duffey

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Photo Do	Photo Documentation		38.89550	00°	38.887450°	
пеш	item			-121.6169	50°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_1				
Action/Comments							

Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533

Photo 1 of 1: ST_2018_NA0060_54_1_20180626_00009.jpg

View of the weir looking downstream, 2018.

LM Start	0.00	Rating **	М	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Vegetation & Obstructions		38.8955	00°	38.887450	0	
пеш				-121.616950 °		-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_2				

Action/Comments

Inspector Comments: Minimal, scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the vegetation around the weir looking downstream, 2018

Photo 2 of 2: ST_2018_NA0060_54_2_20180530_00007.jpg



View of the vegetation that is overgrowing the weir looking south, 2017.

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	3			
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni	Structures & Concrete Lined		GPS Latitude/Longitude					
Calegory	Channels		Start		End			
Item	Shoaling /	Sedimentation	n	38.89550	o°	38.887450 °		
пеш				-121.616950	°	-121.615330 °		
DWR ID	DWR_NA0	060_54_t _ 201	2_3			·		
	A :: 10							

Action/Comments

Inspector Comments: No shoaling or sedimentation present.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 38.895500° 38.887450° Item -121.616950° -121.615330 ° DWR ID DWR NA0060 54 t 2012 4

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
		Start		End			
Item	Revetmer	nts		38.89550	00°	38.887450	0
Item				-121.61695	° 0	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_5				
	Action/Comments						

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap visible.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Encroach	ments		38.89550	0°	38.887450 °
пеш				-121.61695	0°	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_6			
			_			

Action/Comments

Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitud		le/Longitude		
Calegory				Start		End	
Item	Culverts:	Inlets / Outlets	5	38.89550	o°	38.887450	0
item				-121.61695	0°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_7				

Action/Comments

Inspector Comments: Item does not exist on this structure

No Photos

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels				GPS Latitude/Longitude		
Calegory	Channels		Start		End		
Item		Breaks / Hole	s/	38.89550	o°	38.887450 °	
пеш	Cracks			-121.61695	o°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_8				
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.		9					
LM End	0.00	Issue Type +	Ма	Location *							
Category Channels			_ined	GPS Latitude/Longitude							
Calegory	Channels		Start		End						
Item	Metal Pipe	es		38.89550	o°	38.887450 °					
пеш				-121.61695	o°	-121.615330 °					
DWR ID	DWR_NA0	060_54_t _ 201	2_9								
		Action/	Commer	nts	Action/Comments						

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		10			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels		Channels			Start		End	
Item	Trash Rad	cks		38.89550	°	38.887450	0		
iteiii				-121.61695	°	-121.615330	0		

DWR ID DWR_NA0060_54_t _ 2012_10

Action/Comments Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Flap Gate	S		38.8955	00°	38.887450°
item				-121.6169	50°	-121.615330°

DWR ID DWR_NA0060_54_t _ 2012_11

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		38.895500	°	38.887450 °	
пеш				-121.616950	°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_12				
		Action/	Commo	ntc			

Action/Comments

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude		le/Longitude	
Calegory				Start		End
Item	Electric G	ate Operators	i	38.8955	° 00	38.887450°
пеш				-121.6169	50°	-121.615330°
DWR ID	DWR_NA0	060_54_t _ 201	2_13			

Action/Comments Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Channels			Start		End		
Item	Manual G	ate Operators	;	38.89550	0°	38.887450	0
пеш				-121.61695	0 °	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_14				
		Action/	Comme	nts			

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	15			
LM End	0.00	Issue Type +	Ма	Location *				
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End			
Item	Concrete Surfaces			38.89550	o°	38.887450°		
nem		-121.61695	°	-121.615330°				
DWR ID	DWR_NA0	060_54_t _ 201	2_15					
Action/Comments								

Inspector Comments: Item does not exist on this structure.

Issue No. LM Start 0.00 Rating ** Ν 16 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR NA0060 54 t 2012 16 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 17 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 38.895500° 38.887450° Item -121.616950° -121.615330 ° DWR_NA0060_54_t _ 2012_17 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	18			
LM End	0.00	Issue Type +	Ма	Location *				
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End			
Item	Security Fencing			38.89550	o°	38.887450°		
item		-121.61695	°	-121.615330 °				
DWR ID	DWR_NA0	060_54_t _ 201	2_18					
Action/Comments								

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR ID DWR NA0060 54 t 2012 19

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 38.895500° 38.887450° Item -121.616950 ° -121.615330° DWR_NA0060_54_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Other Metallic Items			38.89550	o°	38.887450°	
nem		-121.61695	°	-121.615330 °			
DWR ID	DWR_NA0	060_54_t _ 201	2_21				
Action/Comments							

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR ID DWR NA0060 54 t 2012 22

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR_NA0060_54_t _ 2012_23 DWR ID Action/Comments

Inspector Comments: No hazards present.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	24	
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item		Operation & Maintenance			00°	38.887450 °
пеш	Manual	Manual		-121.61695	50 °	-121.615330 °
DWR ID	DWR_NA0	R_NA0060_54_t _ 2013_24				
Action/Comments						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 1	

Pumping Plant Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	1	
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory						End
Item	Operating Log			38.93181	°	38.931815 °
пеш				-121.63433°	0	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_1			
A :: 10						

Action/Comments

Inspector Comments: The operating log is kept on site.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Operation	ce	38.9318	15 °	38.931815 °	
пеш	Manual			-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_2			·

Action/Comments

Inspector Comments: The O&M manual is available at the site. Sutter Maitenance Yard will provide documentation of future maitenance.



View of the O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Category			Start		End		
Item	Plant Building			38.93181	5°	38.931815°	
пеш				-121.63433	1°	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_3							
	Action/Comments						

Inspector Comments: Plant building appears to be in good working order.



View of the outside of the facility. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Communications			38.931815	٥	38.931815	٥
nem			-121.634331	0	-121.634331	0	
DWR ID DWR_NA0060_21_t _ 2012_4							

Action/Comments

Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operating system (SCADA) appears to be operational.

No Photos

LM Start	0.00	Rating **	М	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Safety			38.9318	15°	38.931815 °
пеш				-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_5			

Action/Comments

Inspector Comments: Missing fall protection railing at the pump inlet.



View of missing fall protection railing at the pump inlet. Photo taken July, 2018.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of fire extinguisher next to the entrance gate. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	М	Issue No.		5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Catagonia Pump Stations			GPS Latitude/Longitude				
Category						End	
Item	Safety			38.9318	15°	38.931815°	
пеш				-121.6343	31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_5							
Action/Comments							

Inspector Comments: Missing fall protection railing at the pump inlet.

11 -	3
2.	VA?
	07 12 2018

Photo 3 of 6: ST_2018_NA0060_21_5_20180713_00028.jpg

Fire extinguisher in the pump control building. Photo taken July, 2018.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 6 : ST_2018_NA0060_21_5_20180713_00029.jpg



View of fall protection railing and grate over the pump outlet. Photo taken July, 2018.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of fall protection cable at the pump inlet. Photo taken July, 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	М	Issue No.		5 (cont)			
LM End	0.00	Issue Type +	Ma	Location *					
Category Pump Stations			GPS Latitude/Longitude						
Calegory						End			
Itom	Safety			38.9318	15 °	38.931815°			
ltem ,			-121.634331 °		-121.634331 °				
DWR ID DWR_NA0060_21_t _ 2012_5									
	Action/Comments								

Inspector Comments: Missing fall protection railing at the pump inlet.



Photo of stair railing going down to pump inlet.

LM Start	0.00	Rating **	N	Issue No.		6		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Category				Start		End		
Item	Cranes		38.9318	15°	38.931815°			
Item				-121.6343	31 °	-121.634331 °		
DWR ID DWR_NA0060_21_t _ 2012_6								
	A :: 10							

Action/Comments

Inspector Comments: Cranes are not present at this site.

NιΛ	Ph	otos

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Itom	ltem Pumps			38.9318	15 °	38.931815 °	
пеш				-121.63433	31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_7							
Action/Comments							

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Power			38.93181	5°	38.931815°		
item				-121.63433	1°	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_8							
Action/Comments							

Inspector Comments: The structure is on the grid with emergency backup generator.

Photo 1 of 1 : ST_2018_NA0060_21_8_20180713_00032.jpg
07 12 2018

View of the backup generator. Photo taken July, 2018.

Photo 1 of 2: ST_2018_NA0060_21_10_20180713_00033.jpg

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
ltem	Item Motors, Engines, Fans & Gear Reducers			38.9318	15°	38.931815°	
item				-121.6343	31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_10							
A :: 10							

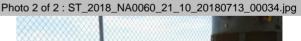
Action/Comments

Inspector Comments: These items appear to be maintained and in operating condition.

07 12 2016
View of the groups mater Dhata tales, July 2010

View of the pump motor. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of oil tank. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	11		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Pump Control Systems			38.93181	5°	38.931815°		
пеш				-121.63433	1°	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_11						·	
Action/Comments							

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Sumps/Wet Well			38.9318	15°	38.931815°		
пеш				-121.6343	31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_12							
Action/Comments							

Inspector Comments: Sumps are clear and free of debris.



View of pump sump that is represents the other sumps. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category	GPS Latitude/Longitude					
Category						End
Item	Trash Rad	Trash Racks			5°	38.931815°
пеш						-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_13						
Action/Comments						

Inspector Comments: No debris present on trash racks, they appear to be in good condition.



View of trash racks at the pump inlet. Photo taken July, 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenan

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations GPS Latitude/Longitude							
Calegory						End	
Item	Trash Ral	Trash Rakes			5 °	38.931815 °	
пеш	-121.634331 ° -121.634331						
DWR ID DWR_NA0060_21_t _ 2012_14							
		Action/	Comme	nts			

Inspector Comments: No trash rake at this site.

No Photos

Issue No. LM Start 0.00 Rating ** Α 15 Issue Type + 0.00 Location * Ma LM End **Pump Stations** GPS Latitude/Longitude Category Sluice / Slide Gates 38.931815° 38.931815° Item -121.634331° -121.634331 ° DWR ID DWR NA0060 21 t 2012 15

Action/Comments

Inspector Comments: Sluice gates appear to be in good working order.

No Photos

Rating ** Issue No. LM Start 0.00 16 0.00 Issue Type + Location * I M End Ma Pump Stations GPS Latitude/Longitude Category End Start Electric Gate Operators 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR_NA0060_21_t _ 2012_16 Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ма	Location *		
Pump Stations				GPS Latitude/Longitude		
Calegory						End
Item	Manual G	Manual Gate Operators			15 °	38.931815°
пеш	-121.634331 ° -121.634331					-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_17						
Action/Comments						

Inspector Comments: Manual gate operators appear to be in good working condition.

Photo 1 of 1 : ST_2018_NA0060_21_17_20180713_00038.jpg

View of manual gate operators. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No. 18		18
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Other Met	tallic Items		38.9318	15°	38.931815°
пеш	-121.634331 ° -121.634331					
DWR ID DWR_NA0060_21_t _ 2012_18						
Action/Comments						

Inspector Comments: These items appear to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Flap Gate	es .		38.9318	15 °	38.931815	۰
пеш					31 °	-121.634331	0
DWR ID	WR ID DWR_NA0060_21_t _ 2012_19						

Action/Comments
Inspector Comments: Flap gates are in proper working condition, they show no obvious signs of damage.

Photo 1 of 1: ST_2018_NA0060_21_19_20180816_00045.jpg



View of typical flap gate. All flap gates are closed and in good condition. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations GPS Latitude/Longitude					e/Longitude
Calegory				Start		End
Item	Closure S	Closure Structures			5 °	38.931815 °
пеш	-121.634331 ° -121.63433					
DWR ID DWR_NA0060_21_t _ 2012_20						
		A .: /	_			

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory						End
Item	Security F	Security Fencing			15 °	38.931815 °
item				-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0060_21_t _ 2012_21					

Action/Comments

Inspector Comments: Site is secured by a masonry brick wall and steel gate.



View of concrete security fence and steel security door. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory						End
Item	Intake and	ntake and Discharge Pipes			5°	38.931815 °
item				-121.63433	1°	-121.634331 °
DWR ID	DWR_NA0060_21_t _ 2012_22					
Action/Comments						

Inspector Comments: No visible deficiencies observed in the pipe's condition.



View of the pump inlet. Photo taken July, 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Category	ыу			Start		End	
Item	Operating	Log		39.02644	19°	39.026449°	
пеш				-121.72693	87°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_1						·	
Action/Comments							

Inspector Comments: Operation log is located at the site.



View of operations log. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	Operation & Maintenance Manual			39.0264	49°	39.026449°
item				-121.7269	37°	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201	2_2			

Action/Comments

Inspector Comments: O&M Manual is present at the site. Sutter Maitenance Yard will provide documentation of maitenance going forward.



Veiw of O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	Plant Buil	ding		39.026449°		39.026449°
пеш	item			-121.7269	37°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_3						
Action/Comments						

Inspector Comments: Construction finished at the site that increased the height of the building.



View of the the backside of the pump control room. Photo taken July, 2018.

* Location
LS : Land Side
WS : Water Side

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory	alegory			Start		End
Item	Plant Building			39.0264	49 °	39.026449°
пеш				-121.72693	37 °	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_3						·
Action/Comments						

Inspector Comments: Construction finished at the site that increased the height of the building.



View of fixed concrete erosion above the trash racks. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory	or y			Start		End
Item	Communications			39.0264	49°	39.026449°
item	item			-121.7269	37°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_4						

Action/Comments

Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system appears to be operational.

Photo 1 of 1 : S	Γ_2018_NA0060_2	2_4_20180711_00005.jpg
*		
	ONAT DE LA CALLER	
8		
		07/31/2014

View of the on-site telephone. Photo taken July, 2018.

0.00	Rating **	М	Issue No.		5
0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude		
Category			Start		End
ltem Safety			39.02644	19°	39.026449 °
			-121.72693	37°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_5					
	0.00 Pump Sta	0.00 Issue Type + Pump Stations Safety	0.00 Issue Type + Ma Pump Stations Safety	0.00 Issue Type + Ma Location * Pump Stations GPS La Start Start Safety 39.02644 -121.72693	0.00 Issue Type + Ma Location * Pump Stations GPS Latitud Start Start Safety 39.026449 ° -121.726937 °

Action/Comments

Inspector Comments: The site has fire extinguishers on site and fall protection rails. One rail by the pump inlet needs to be replaced.



Fire extinguisher next to entrance gate. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

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Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	М	Issue No.		5 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Calegory	Category			Start		End
ltom	Safety			39.0264	49°	39.026449
Item				-121.7269	37 °	-121.726937
DWR ID DWR_NA0060_22_t _ 2012_5						
Action/Comments						

Inspector Comments: The site has fire extinguishers on site and fall

protection rails. One rail by the pump inlet needs to be replaced.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of protection railing and grate over outlets. Photo taken July, 2018.

Photo 3 of 6: ST_2018_NA0060_22_5_20180713_00029.jpg



Staircase railing down to pump inlets. Photo taken July, 2018.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Fire extinguisher in the pump control room. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	М	Issue No.		5 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
			Start		End	
ltom	Safety			39.0264	49°	39.026449°
пеш	Item					-121.726937°
DWR ID DWR_NA0060_22_t _ 2012_5						
		Action/	Comme	nts		

Inspector Comments: The site has fire extinguishers on site and fall protection rails. One rail by the pump inlet needs to be replaced.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Fall protection cable next to pump inlets. Photo taken July, 2018.

Photo 6 of 6: ST_2018_NA0060_22_5_20180713_00043.jpg



View of bent railing at pump inlets that needs to be replaced. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Category Pump Stations			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Cranes			39.0264	49°	39.026449	
пеш				-121.7269	37°	-121.726937	
DWR ID	DWR_NA0	060_22_t _ 201	2_6				
Action/Comments							
Inspector (Comments	: Cranes are	not prese	ent at this s	ite.		

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Catagonia Pump Stations			GPS Latitude/Longitude			
Calegory	Category		Start		End	
Item	Pumps			39.02644	9°	39.026449°
пеш				-121.72693	7 °	-121.726937°
DWR ID DWR_NA0060_22_t _ 2012_7						
		A -4: /	<u> </u>	-1-		

Action/Comments

Inspector Comments: Pumps appear to be in good working order.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Power	wer			49°	39.026449 °	
iteiii				-121.7269	37°	-121.726937 °	
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_8						

Action/Comments

Inspector Comments: The structure is on the grid with emergency backup generator.



View of the fuel tank for the backup generator. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		10		
LM End	0.00	Issue Type +	Ma	Location *				
Pump Stations			GPS La	tituc	le/Longitude			
Category				Start		End		
Item	Motors, Engines, Fans & Gear			39.0264	19°	39.026449°		
пеш	Reducers Reducers				37 °	-121.726937 °		
DWR ID DWR_NA0060_22_t _ 2012_10								
	Action/Comments							

Inspector Comments: These items appear to be maintained and in operational condition.



View of the pump motors. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category			Start		End		
Item		ngines, Fans	& Gear	39.02644	9°	39.026449°	
пеш	Reducers			-121.72693	87°	-121.726937°	
DWR ID DWR_NA0060_22_t _ 2012_10							
	Action/Comments						

Inspector Comments: These items appear to be maintained and in operational condition.



View of one pump motor and oil tank. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory		Start		End			
Item	Pump Control Systems			39.0264	49°	39.026449 °	
item				-121.7269	37°	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_11				

Action/Comments

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	М	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Sumps/Wet Well			39.02644	9°	39.026449°	
item				-121.72693	7°	-121.726937 °	
DWR ID	DWR_NA0060_22_t _ 2012_12						
Action/Comments							

Inspector Comments: Trash and plant debris buildup in sump number 4 should be removed.



View of plant and trash debris build up in sump number 4. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
			Start		End	
ltom	Trash Racks			39.026449°		39.026449°
Item				-121.726937 °		-121.726937 °
DWR ID	DWR_NA0060_22_t _ 2012_13					
Action/Comments						

Inspector Comments: Trash rack is secure and free of debris.



View of the trash racks. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory		Start		End			
Item	Trash Rakes			39.0264	49°	39.026449	0
item		-121.7269	37°	-121.726937	0		
DWR ID	DWR_NA0060_22_t _ 2012_14						
Action/Comments							

Inspector Comments: No trash rake at this site.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Sluice / Slide Gates			39.02644	19°	39.026449	0
item		-121.72693	37 °	-121.726937	0		
DWR ID	DWR_NA0060_22_t _ 2012_15						
Action/Comments							

Inspector Comments: Sluice gates appear to be properly maintained and operational.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		16
LM End	0.00	Issue Type +	Ма	Location *		
Pump Stations				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Electric G	ate Operators		39.02644	9°	39.026449°
-121.726937 ° -121.7						-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_16						
		A .: /	_			

Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season. No Photos

LM Start	0.00	0.00 Rating ** A				17
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Manual G	ate Operators		39.0264	49°	39.026449°
пеш				-121.7269	37°	-121.726937 °
DWR ID	DWR_NA0060_22_t _ 2012_17					

Action/Comments

Inspector Comments: Manual gate operators appear to be in good working condition.

Photo 1 of 1: ST_2018_NA0060_22_17_20180713_00039.jpg



View of the manual gate operators. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category		Start		End			
ltom	Other Met	tallic Items		39.0264	49°	39.026449	٥
пеш	Item					-121.726937	0
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_18						
	Action/Comments						

Action/Comments

Inspector Comments: All other metal parts that were visible are corrosion protected.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00 Rating ** A Issue No.				19		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
ltom	Flap Gates			39.0264	49°	39.026449	0
пеш	Item					-121.726937	٥
DWR ID DWR_NA0060_22_t _ 2012_19							
	Action/Comments						

Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.



View of a flap gate, representative of the other flap gates. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Closure Structures			39.0264	49°	39.026449°	
пеш		-121.7269	37°	-121.726937 °			
DWR ID DWR_NA0060_22_t _ 2012_20							
	A ation (Commonster						

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category	Category			Start		End	
Item	Security F	encing		39.0264	49°	39.026449	0
пеш				-121.7269	37°	-121.726937	0
DWR ID DWR_NA0060_22_t _ 2012_21							
Action/Comments							

Inspector Comments: Site is currently secured by a masonry brick wall.

Photo 1 of 1 : ST_2018_NA0060_22_21_20180713_00041.jpg



Photo of security fencing and steel entrance door. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	tions		GPS La	titud	le/Longitude	
Calegory				Start		End
Item	Intake and Discharge Pipes			39.02644	9°	39.026449°
item	em				87 °	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_22						
Action/Comments						

Inspector Comments: No visible deficiencies observed in the pipe's condition.



View of pump intake. Photo taken July, 2018.

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2018 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 3	

Pumping Plant Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		1			
LM End	0.00	Issue Type +	Ma	Location *					
Category Pump Stations				GPS Latitude/Longitude					
Calegory			Start		End				
Item	Operating Log			39.12009	6°	39.120096°			
пеш			-121.77923	84 °	-121.779234°				
DWR ID DWR_NA0060_23_t _ 2012_1									

Action/Comments Inspector Comments: Operation log is at the site. No Photos

Rating ** Issue No. LM Start 0.00 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Operation & Maintenance 39.120096° 39.120096° Item Manual -121.779230° -121.779230 ° DWR ID DWR_NA0060_23_t _ 2012_2

Action/Comments

Inspector Comments: O&M Manual is present at the site. Sutter Maitenance Yard will provide documentation of maitenance going forward.



Photo of the O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta		GPS La	titud	e/Longitude		
Calegory			Start		End		
Item	Plant Building			39.12009	6°	39.120096°	
пеш			-121.77923	0°	-121.779230 °		
DWR ID DWR_NA0060_23_t _ 2012_3							
		A 4:	_				

Action/Comments

Inspector Comments: Plant building appears to be in good working condition.



Looking south at the building. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

U : Unacceptable

N: Not Inspected/Rated Minimally Acceptable Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		3 (cont)		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Plant Building			39.1200	96°	39.120096°		
пеш			-121.779230 °		-121.779230°			
DWR ID DWR_NA0060_23_t _ 2012_3								
	Action/Comments							

Action/Comments

Inspector Comments: Plant building appears to be in good working condition.

LM Start	0.00	Rating **	Α	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at the building. Photo taken July, 2018.

Photo 3 of 3: ST_2018_NA0060_23_3_20180713_00040.jpg



View of back side of pump control building. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitud		
Calegory				Start		End
Item	Communi	cations		39.12009	3°	39.120096°
пеш				-121.77923	°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 2012	2_4			

Action/Comments

Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control operation system (SCADA) appears to be operational.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Safety			39.1200	96°	39.120096°	
пеш			-121.779230 °		-121.779230 °		
DWR ID DWR_NA0060_23_t _ 2012_5						·	
Action/Comments							

Inspector Comments: The site has fire extinguishers on site and fall protection rails.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of fall protection cable. Photo taken July, 2018.

Photo 2 of 5: ST_2018_NA0060_23_5_20180712_00026.jpg



View of fall protection fences and grate at the outlets. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Fire extinguisher in the control room. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

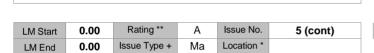
Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item	Safety			39.12009	96 °	39.120096°	
пеш				-121.77923	80°	-121.779230°	
DWR ID	DWR_NA0060_23_t _ 2012_5						
Action/Comments							

Inspector Comments: The site has fire extinguishers on site and fall protection rails.





Staircase railing leading down pump intakes. Photo taken July, 2018.

Photo 5 of 5 : ST_2018_NA0060_23_5_20180712_00028.jpg



Fire extinguisher next to security gate. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.		6				
LM End	0.00	Issue Type +	Ma	Location *						
Pump Stations				GPS La	titud	le/Longitude				
Category	zalegory			Start		End				
Cranes			39.120096°		39.120096	•				
item				-121.7792	30°	-121.779230	•			
DWR ID	DWR_NA0	060_23_t _ 201	2_6							
	Action/Comments									
Inspector Comments: Cranes are not present at this site.										

No Photos

Tuesday, August 28, 2018 11:27

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	Pumps			39.12009	6°	39.120096 °
пеш				-121.77923	0°	-121.779230 °
DWR ID	DWR_NA0060_23_t _ 2012_7					

Action/Comments

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Power			39.12009	6°	39.120096°
пеш				-121.77923	0°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_8		·	·

Action/Comments

Inspector Comments: The structure is on the grid with emergency generator backup.



Photo of backup generator. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Motors, Engines, Fans & Gear Reducers			39.12009	6°	39.120096	0
пеш				-121.77923	o°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_10				
Action/Commants							

Action/Comments

Inspector Comments: These items appear to be maintained and in operating condition.



View of the pump motors. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions	GPS La	atituc	le/Longitude	
Calegory	y			Start		End
Item		ngines, Fans	& Gear	39.1200	96°	39.120096°
пеш	Reducers			-121.7792	30°	-121.779230°
DWR ID	DWR_NA0	060_23_t _ 201	2_10		,	
Action/Comments						

Inspector Comments: These items appear to be maintained and in operating condition.

Photo 2 of 2 : ST_2018_I	NA0060_23_10_20180712_00033.jpg
2000	
A TON	
W .	
	A // 107/12 1034

View of the oil tank for each pump. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory		Start		End			
Item	Pump Control Systems			39.1200	96°	39.120096	
пеш				-121.7792	30°	-121.779230	
DWR ID	DWR_NA0060_23_t _ 2012_11						

Action/Comments

Inspector Comments: Pump control systems on site are new and appear to be in working order.

Photo 1 of 2 : ST_2018_NA0060_2	23_11_20180712_00034.jpg
	25_11_20160712_00034.jpg
	A. 1

View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	11 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the wiring for the pump control panel. Photo taken July, 2018.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating
A : Accer

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Sumps/W	et Well		39.12009	6°	39.120096°	
пеш				-121.77923	° o	-121.779230°	
DWR ID DWR_NA0060_23_t _ 2012_12							
Action/Comments							

Inspector Comments: Sumps are clear and free of debris.

Photo 1 of 2: ST_2018_NA0060_23_13_20180712_00036.jpg

No Photos



View of the trash racks. Photo taken July, 2018.

0.00	Railing	A	issue ivo.		13	
0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End	
Trash Racks			39.1200	96°	39.120096 °	
			-121.7792	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_13						
	0.00 Pump Sta	Pump Stations Trash Racks	0.00 Issue Type + Ma Pump Stations Trash Racks	0.00 Issue Type + Ma Location * Pump Stations GPS La Start Start Trash Racks 39.1200 -121.7792	0.00 Issue Type + Ma Location * Pump Stations GPS Latitude Start Start Trash Racks 39.120096 ° -121.779230 °	

Action/Comments

Inspector Comments: No debris present on trash racks, they appear to be in good condition.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST_2018_NA0060_23_13_20180712_00037.jpg



View of the trash racks showing no debris buildup. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Ν	Issue No.	14			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Trash Ral	res		39.12009	3°	39.120096°		
item		-121.77923	o°	-121.779230 °				
DWR ID	DWR_NA0	060_23_t _ 201	2_14					
A = 1' = = 1 (O = = = = = = 1 =								

Action/Comments

Inspector Comments: No trash rake at this site.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 15 0.00 Issue Type + Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Sluice / Slide Gates 39.120096° 39.120096° Item -121.779230° -121.779230 ° DWR ID DWR_NA0060_23_t _ 2012_15

Action/Comments

Inspector Comments: Sluice gates appear to be in good working order.

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Electric G	ate Operators	i	39.1200	96°	39.120096°	
item			-121.7792	30°	-121.779230 °		
DWR ID DWR_NA0060_23_t _ 2012_16							
Action/Comments							

Inspector Comments: Item does not apply, gate operators are manual only.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	М	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS La	atitud	le/Longitude	
Calegory			Start		End	
ltom	Manual G	ate Operators	3	39.1200	96°	39.120096°
Item				-121.7792	30°	-121.779230 °
DWR ID DWR_NA0060_23_t _ 2012_17						
Action/Comments						

Inspector Comments: Manual gate operators should be lubricated. Gate operator of the second most downstream gate needs to be fixed so it can be opened.



View of the screw gate openers. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Catagonia Pump Stations			GPS La	atitud	le/Longitude	
Category				Start		End
Item	Other Met	allic Items		39.1200	96°	39.120096°
пеш			-121.7792	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_18						
A :1 (0						

Action/Comments

Inspector Comments: All other metal parts that were visible are corrosion protected.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Lat	itud	e/Longitude		
Calegory	egory			Start		End	
Item	Flap Gates			39.12009	6°	39.120096	0
пеш				-121.77923	0 °	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_19				

Action/Comments

Inspector Comments: Flap gates appear to be in proper working condition, there are no apparent signs of significant corrosion or damage.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory	Calegory			Start		End		
Item	Closure Structures			39.12009	6°	39.120096°		
пеш				-121.77923	o°	-121.779230 °		
DWR ID DWR_NA0060_23_t _ 2012_20								
	A :: 10							

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	Pump Stations			GPS Latitude/Longitude		
Calegory	Category		Start		End		
Item	Security F	Security Fencing		39.12009	6°	39.120096°	
пеш			-121.77923	o°	-121.779230 °		
DWR ID	DWR_NA0	060_23_t _ 201	2_21				

Action/Comments

Inspector Comments: Site is currently secured by a masonry brick wall.





View of the concrete wall and steel security gate that surrounds the pump. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		22		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Category	egory			Start		End		
Item	Intake and Discharge Pipes		39.1200	96°	39.120096	0		
пеш				-121.7792	30°	-121.779230	0	
DWR ID	DWR_NA0							
	Action/Comments							

Inspector Comments: No visible deficiencies observed in the pipe's condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Sutter Bypass Weir No. 2	

Structure Rating	Α
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Keith Murray

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
ltom	Photo Do	cumentation		39.102526°		39.102526°	
ltem				-121.7586	82 °	-121.758682 °	
DWR ID DWR_NA0060_10_t _ 2012_1							
Action/Comments							

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of weir and fish ladder control building. Photo taken July, 2018.

Photo 2 of 4: ST_2018_NA0060_10_1_20180713_00024.jpg



View of top of weir and fish ladder. Photo taken July, 2018. Photo 3 of 4: ST_2018_NA0060_10_1_20180713_00025.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of upstream side of weir. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

FINAL DATA

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Photo Do	cumentation		39.10252	26°	39.102526°	
Item				-121.75868	32 °	-121.758682 °	
DWR ID DWR_NA0060_10_t _ 2012_1							
Action/Comments							

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.

Photo 4 of 4: ST_2018_NA0060_10_1_20180713_00026.jpg



View of downstream side of weir. Photo taken July, 2018.

	0.00	Rating **	M	Issue No.		2
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Channels				Start		End
ltem \	Vegetation & Obstructions			39.1025	26°	39.102526°
пеш			-121.758682 °		-121.758682 °	
DWR ID	DWR_NA00	060_10_t _ 201	2_2			

Action/Comments

Inspector Comments: Log blocking part of upstream end of fish ladder.



View of log blocking part of upstream end of fish ladder. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Lat	itud	le/Longitude	
Calegory				Start		End	
Item	Shoaling /	Sedimentation	n	39.10252	6°	39.102526	0
пеш				-121.75868	2°	-121.758682	0
DWR ID	DWR_NA0060_10_t _ 2012_3						
	Action/Comments						

Inspector Comments: No shoaling or sedimentation visible during inspection.

No Photos

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Erosion /	Bank Caving		39.10252	6 °	39.102526°
пеш				-121.75868	2 °	-121.758682°
DWR ID	DWR_NA0	060_10_t _ 201	2_4			
		A .: /	_			

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Revetmer	nts		39.1025	26°	39.102526°
iteiii				-121.7586	82 °	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_5			

Action/Comments

Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.



View of revetment of the downstream right bank. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	





View of revetment on the downstream left bank. Photo taken July, 2018.

Location LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	6	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Encroach	ments		39.10252	6°	39.102526°
пеш					2 °	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_6			
		A .: /	_			

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR ID DWR_NA0060_10_t _ 2012_7

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	tituc	le/Longitude		
Calegory	Channels			Start		End	
Item		Breaks / Hole	s/	39.1025	26°	39.102526 °	0
пеш	Cracks			-121.75868	32 °	-121.758682 °	0
DWR ID	DWR_NA0060_10_t _ 2012_8						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Metal Pip	es		39.1025	26°	39.102526	0
пеш	item			-121.7586	82 °	-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	2_9				
		A 4:	_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels					End	
Item	Trash Rad	cks		39.10252	26°	39.102526°	
пеш	item				32 °	-121.758682 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_10				
			_				

Action/Comments

Inspector Comments: There are no trash racks at this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Flap Gate	s		39.1025	26°	39.102526°	
пеш				-121.75868	32 °	-121.758682°	
DWR ID	DWR_NA0060_10_t _ 2012_11						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	e/Longitude
Calegory	Category					End
Item	Sluice/Sli	de Gates		39.1025	26 °	39.102526°
пеш				-121.7586	82 °	-121.758682 °
DWR ID DWR_NA0060_10_t _ 2012_12						
Action/Comments						

Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.

Photo 1 of 1 : ST_2018_NA0060_10_12_20180713_00030.jpg



View of slide gates looking upstream. Photo taken July, 2018.

LM Start	0.00	0.00 Rating ** A		Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End
Item	Electric G	ate Operators	;	39.1025	26°	39.102526°
item				-121.7586	82°	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_13			·

Action/Comments

Inspector Comments: The sluice gates are opened and closed by the inflation/deflation of a bladder. The compressors' are located in the building on the left bank of the levee crown and are functioning properly.



View of control panel, air compressor, and generator. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End		Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Manual G	ate Operators		39.1025	26°	39.102526	٥
пеш				-121.7586	32 °	-121.758682	0
DWR ID DWR_NA0060_10_t _ 2012_14							
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		15		
LM End	0.00	Issue Type +	Ma	Location *				
Category	s & Concrete I	GPS La	tituc	de/Longitude				
Calegory	Channels				Start			
Item	Concrete	Surfaces		39.10252	6°	39.102526°		
пеш				-121.75868	2°	-121.758682 °		
DWR ID DWR_NA0060_10_t _ 2012_15								
	Action/Comments							

Inspector Comments: Negligible spalling, scaling, and cracking.

No Photos

Issue No. LM Start 0.00 Rating ** Α 16 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR ID DWR_NA0060_10_t _ 2012_16

Action/Comments

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

No Photos

Issue No. Rating ** LM Start 0.00 17 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 39.102526° 39.102526 ° Item -121.758682 ° -121.758682 ° DWR ID DWR_NA0060_10_t _ 2012_17 Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.		18		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS La	atitud	le/Longitude		
Calegory	Category Channels					End		
Item	Security F	encing		39.1025	26°	39.102526°		
пеш				-121.7586	82 °	-121.758682 °		
DWR ID DWR_NA0060_10_t _ 2012_18								
	Action/Comments							

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts. The fence is very close to the hing point of the slope and does not allow access around the out side of the fence in this location.

Photo 1 of 1: ST_2018_NA0060_10_18_20180713_00032.jpg



View of security fence around the weir and fish ladder control building. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	tituc	le/Longitude
Category	Channels			Start		End
Item	Closure S	tructures		39.10252	26°	39.102526°
пеш	item				32 °	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_19			
טואיט	DWK_NAU	060_10_1 _ 201.	2_19			

Action/Comments

Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are available at the Sutter Yard.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined					le/Longitude		
Category	Channels				Start			
Item	Trash Ral	ces		39.1025	26°	39.102526	0	
пеш				-121.7586	82 °	-121.758682	0	
DWR ID DWR_NA0060_10_t _ 2012_20								
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	21	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Category Channels					End
Item	Other Met	allic Items		39.10252	6°	39.102526°
пеш		-121.75868	2°	-121.758682 °		
DWR ID	DWR_NA0	060_10_t _ 201	2_21			
			_			

Action/Comments

Inspector Comments: All metal decks are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR ID DWR NA0060 10 t 2012 22

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
Calegory				Start		End	
Item	Safety			39.1025	26°	39.102526	0
пеш				-121.7586	82 °	-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	2_23				

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.

Photo 1 of 3: ST_2018_NA0060_10_23_20180713_00034.jpg



View of railing on waterside levee slope between weir and levee crown. Photo taken July, 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U: Unacceptable

N: Not Inspected/Rated

Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item	Safety			39.1025	26°	39.102526°	
item				-121.7586	82 °	-121.758682 °	
DWR ID	DWR ID DWR_NA0060_10_t _ 2012_23						
Action/Comments							

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the

compressor building and is current.

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)
LMEnd	0.00	Issue Type +	Ma	Location *	



View of fall protection railing. Photo taken July, 2018.

Photo 3 of 3: ST_2018_NA0060_10_23_20180713_00033.jpg



Fire extinguisher in the weir and fish ladder control building. Photo taken July, 2018.

Photo 1 of 1: ST_2018_NA0060_10_24_20180713_00036.jpg

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Category Changels		GPS Latitude/Longitude				
Category	Channels			Start		End
Operation & Mainter		& Maintenan	ce	39.1025	26°	39.102526°
пеш	Manual		-121.75868	32 °	-121.758682 °	
DWR ID DWR_NA0060_10_t _ 2013_24						

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M at the site.



View of the O&M manual. Photo taken July, 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected vW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Stru	cture
Tisdal	e Weir

Structure Rating	M
Date of Inspection	6/19/2018
DWR Inspector	Zach Jojola
Accompanied By	George "Wade" Wylie

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	tituc	le/Longitude
Calegory	Channels			Start		End
Item	Photo Do	Photo Documentation			13°	39.026713 °
item				-121.8219	95 °	-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the weir from the north side. Summer 2018.

Photo 2 of 5: ST_2018_NA0060_3_1_20180619_00032.jpg



View of the stilling basin from the north end of the weir. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the south side. Summer 2018.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined				atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do		39.0267	13°	39.026713°	
item				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Downstream view of Tisdale Bypass. Summer 2018.

Photo 5 of 5: ST_2018_NA0060_3_1_20180619_00035.jpg



Upstream view of adjacent parking lot. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	39.0267	3°	39.026713 °
пеш					95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_2			·

Action/Comments

Inspector Comments: Scattered logs on the upstream side need to be removed.



View of logs placed along the top of the weir. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Shoaling /	Sedimentation	on	39.0267	13 °	39.026713 °	
пеш		•			95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_3				
	Action/Comments						

Inspector Comments: Sedimentation found at various locations throughout the stilling basin should be removed.

Photo 1 of 1: ST_2018_NA0060_3_3_20180619_00048.jpg



View of sediment build-up within the stilling basin on the south side of the weir. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels Channels		Start		End	
Item	Erosion /	rosion / Bank Caving		39.02671	3°	39.026713 °
пеш				-121.82199	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_4			

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	М	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Category Channels			GPS Latitude/Longitude		
Category	Channels	Channels				End
Item	Revetmer	nts		39.0267	13°	39.026713 °
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0060_3_t _ 2012_5					
	Action/Comments					

Inspector Comments: Existing riprap is undamaged, but vegetation should be cleared and sprayed.

Photo 1 of 3: ST_2018_NA0060_3_5_20180619_00036.jpg



View of south abutment and revetment. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Revetmer	nts		39.0267	13 °	39.026713°
item				-121.8219	95 °	-121.821995 °
DWR ID	DWR ID DWR_NA0060_3_t _ 2012_5					
Action/Comments						

Inspector Comments: Existing riprap is undamaged, but vegetation should be cleared and sprayed.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Additional view of revetment on the south end of the weir. Summer 2018.

Photo 3 of 3: ST_2018_NA0060_3_5_20180619_00037.jpg



Revetment on north abutment is blocked by heavy vegetation. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Odlogory	Channels			Start		End	
Item	Encroach	ments		39.0267	13°	39.026713	0
пеш				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_6				
			_				

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.

No Photos

* Location LS : Land Side WS : Water Side

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		7		
LM End	0.00	Issue Type +	Ma	Location *				
Cotogoni	Structures & Concrete Lined Channels		GPS Latitude/Longitude		e/Longitude			
Calegory			Start		End			
Item	Culverts:	Inlets / Outlets	3	39.02671	3°	39.026713 °		
пеш			-121.82199	5°	-121.821995 °			
DWR ID	DWR_NA0	060_3_t _ 2012	_7					
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 39.026713° 39.026713° Item Cracks -121.821995 ° -121.821995 °

DWR ID DWR_NA0060_3_t _ 2012_8

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR_NA0060_3_t _ 2012_9 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitud		e/Longitude			
Calegory				Start		End		
Item	Trash Rad	cks		39.02671	3°	39.026713°		
пеш				-121.82199	5 °	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2012	_10					
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR NA0060 3 t 2012 11 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. Rating ** LM Start 0.00 12 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR_NA0060_3_t _ 2012_12 DWR ID

Action/Comments Inspector Comments: This item does not apply to this inspection. No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		13		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Electric G	ate Operators	1	39.02671	3°	39.026713 °		
пеш			-121.82199)5 °	-121.821995 °			
DWR ID	DWR_NA0	060_3_t _ 2012	_13					
	A -ti / C							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 39.026713° 39.026713° Item -121.821995 -121.821995 ° DWR ID DWR NA0060 3 t 2012 14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	U	Issue No.		15		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Itom	Concrete	Surfaces		39.0267	ı3°	39.026713 °		
пеш	Item			-121.8219	95 °	-121.821995 °		
DWR ID DWR_NA0060_3_t _ 2012_15								
	Action/Comments							

Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

Photo 1 of 8: ST_2018_NA0060_3_15_20180619_00038.jpg



View of cracking on the south abutment. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category		Start		End	
Item	Concrete	Surfaces		39.026713°		39.026713°
пеш				-121.821995 °		-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_15						
Action/Comments						

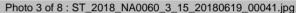
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

	W. C. C.			
Age 10 M				
				7
		and the	A Paris	
	TO SERVICE	0,0	08, 18, 2018	
Missing concrete s	and expected	robor within t	ho north abutm	§ ont

Photo 2 of 8: ST_2018_NA0060_3_15_20180619_00039.jpg

Missing concrete and exposed rebar within the north abutment. Vegetation is beginning to grow within the abutment. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
I M End	0.00	Issue Type +	Ma	Location *	





View of deteriorating counterfort within the stilling basin. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LNAFad	0.00	Issue Type +	Ma	Location *	



View of concrete joint damage. It does not appear to be worse than the previous inspection, and the flow is not impeded. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category			Start		End
ltem Concrete Surfaces			39.02671	3°	39.026713°	
			-121.82199)5 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t _ 2012_15					
Action/Comments						

Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 8 : ST_2018_NA0060_3_15_20180619_00043.jpg

View of exposed rebar on concrete counterfort. Summer 2018.

Photo 6 of 8: ST_2018_NA0060_3_15_20180619_00044.jpg



View of additional concrete joint damage. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of damaged counterfort and exposed rebar. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintain En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.		15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined GPS Latitude/Longitude			le/Longitude	
Calegory	Channels			Start		End	
Concrete Surfaces			39.02671	3°	39.026713°		
Item				-121.82199	5 °	-121.821995 °	
DWR ID	DWR_NA0	DWR_NA0060_3_t _ 2012_15					
A ation / Common anto							

Action/Comments

Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

Photo 8 of 8: ST_2018_NA0060_3_15_20180619_00046.jpg



View of exposed and bent rebar on the downstream end of the stilling basin. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Concrete Tilting / Settlement		39.0267	13°	39.026713 °	
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_16			

Action/Comments

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

N∩	Ph	ntns

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	ncrete Lined GPS Latitude/Longitude			le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete Foundations			39.0267	13°	39.026713 °	
пеш				d GPS Lat	95°	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2018	_17		·		
Action/Comments							

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Catagony		& Concrete I	_ined	GPS La	titud	e/Longitude
Calegory	Category Channels			Start		End
Item	Security F	encing		39.02671	3°	39.026713°
пеш				-121.82199	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_18			·
		A .:	_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

L	_M Start	0.00	Rating **	N	Issue No.		19	
	LM End	0.00	Issue Type +	Ma	Location *			
_	Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
	Jalegory	Channels			Start		End	
	Item	Closure S	tructures		39.0267	13°	39.026713	0
	item				-121.8219	95 °	-121.821995	0
[OWR ID	DWR_NA0	060_3_t _ 2012	_19				

No Photos

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Trash Ral	ces		39.0267	13°	39.026713°
пеш				-121.8219	95 °	-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_20						
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Other Met	allic Items		39.0267	13 °	39.026713 °
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_21			
			_			

20.000740.9

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Monolith .	Joints		39.0267	13°	39.026713	0
пеш				-121.8219	95 °	-121.821995	•
DWR ID	DWR_NA0	060_3_t _ 2012	_22				

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

No Photos

LM Start	0.00	Rating **	М	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	_ined	GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Safety			39.02671	3 °	39.026713 °
пеш				-121.82199	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_23			

Action/Comments

Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot, the logs at the edge of lot need to be removed and not used as a barrier.

Photo 1 of 2: ST_2018_NA0060_3_23_20180619_00049.jpg



The safety fence was removed due to flows over the weir, and logs were placed to keep vehicels from driving over the edge. Logs need to be removed and the safety fence replaced like it was before. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.		23 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	nnels		Start		End
Item	Safety			39.0267	13 °	39.026713°
item				-121.8219	95 °	-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_23						
	Action/Comments					

Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot, the logs at the edge of lot need to be removed and not used as a barrier.



View of safety fence separating the weir from the public parking lot in 2016.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item		& Maintenan	ce	39.0267	13°	39.026713	0
пеш	Manual			-121.8219	95 °	-121.821995	0
DWR ID	DWR ID DWR_NA0060_3_t _ 2013_24						
	Action/Comments						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Wadsworth Canal Weir No. 4	

Structure Rating	Α
Date of Inspection	6/21/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atituc	le/Longitude		
Calegory	Channels			Start		End	
Item	Photo Do	cumentation		39.1533	25 °	39.153325°	
пеш				-121.7341	22 °	-121.734122 °	
DWR ID	DWR_NA0	2_23			·		
Action/Comments							

Inspector Comments: Upstream side of the structure is clear of debris.

Ma

Issue No.

Location *

23 (cont)

Rating **

Issue Type +

LM Start

LM End

0.00

0.00



View of the upstream side of the Wadsworth Canal Weir No. 4.

Photo 2 of 2: ST_2018_NA0060_11_23_20180710_00005.jpg



View of the downstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels	hannels				End	
Item	Vegetation & Obstructions			39.1533	25°	39.153325°	
пеш				-121.7341	22 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t _ 2012_1						
Action/Comments							
Inspector Comments: There is no vegetation that would impact the flow							

of water.

No Photos

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Cotogoni	Structures & Concrete Lined			GPS Lat	itud	e/Longitude
Calegory	Channels			Start		End
Item	Shoaling /	Sedimentation	on	39.15332	5 °	39.153325 °
item				-121.73412	2 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_2			
			_			

Action/Comments

Inspector Comments: There is no shoaling or sedimentation present.

No Photos



View of the erosion around the upstream end of the structure.

LM End 0.00 Issue Type + Ma Location * Category Structures & Concrete Lined Channels GPS Latitude/Longitude Start Item Erosion / Bank Caving 39.153325 ° 39.153325 ° -121.734122 ° -121.734122 ° DWR ID DWR_NA0060_11_t _ 2012_3	LM Start	0.00	Rating **	М	Issue No.		3
Category Channels Start End Item Erosion / Bank Caving 39.153325 ° 39.153325 ° -121.734122 ° -121.734122 °	LM End	0.00	Issue Type +	Ma	Location *		
Start End 39.153325 ° 39.153325 ° -121.734122 ° -121.734122 °				GPS La	atitud	le/Longitude	
-121.734122 ° -121.734122 °	Calegory	Channels			Start		End
-121.734122 ° -121.734122 °	Itom	Erosion / Bank Caving			39.1533	25°	39.153325°
DWR ID DWR_NA0060_11_t _ 2012_3	iteiii			-121.7341	22 °	-121.734122 °	
	DWR ID	DWR_NA0	060_11_t _ 201	2_3			

Action/Comments

Inspector Comments: Repair all erosion along the channel before winter.

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *			
Catagory	Structures & Concrete Lined			GPS La	tituc	de/Longitude	
Calegory	Channels	Start End		End			
Item	Revetmer	nts		39.15332	25 °	39.153325	0
item				-121.73412	22°	-121.734122	0
DWR ID	DWR_NA0		·				
	Action/Comments						

Action/Comments
Inspector Comments: Extended riprap protection is properly maintained.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Lat	ituc	le/Longitude	
Calegory				Start		End	
Item	Encroachments			39.15332	5 °	39.153325°	
пеш				-121.73412	2 °	-121.734122 °	
DWR ID	DWR_NA0	2_5					
Action/Comments							

Inspector Comments: There is no debris obstructing the structure.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		s & Concrete I	_ined	GPS La	tituc	le/Longitude	
	Channels			Start		End	
Item	Culverts: Inlets / Outlets			39.15332	25°	39.153325	٥
iteiii				-121.73412	22°	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_6				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	7		Ī	
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	Lined	GPS La	titud	le/Longitude		
Calegory	Channels		Start		End			
Item		Breaks / Hole	s/	39.15332	25°	39.153325	0	
item	Cracks			-121.73412	22°	-121.734122	0	
DWR ID	DWR_NA0060_11_t _ 2012_7							
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Ν	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Metal Pipe	es		39.15332	25 °	39.153325	0
пеш				-121.73412	22°	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_8							
		Action/	Commo	oto			

Action/Comments Inspector Comments: This item does not apply to this inspection. No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.15332	25 °	39.153325	0
item				-121.73412	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_9				
		A -4:	0	-1-			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels Start			Start		End	
Item	Flap Gate	s		39.1533	25°	39.153325	0
item				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_10				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category	s & Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Sluice/Slice	de Gates		39.15332	25°	39.153325°
пеш				-121.73412	22°	-121.734122 °
DWR ID	DWR_NA0060_11_t _ 2012_11					
	Action/Comments					

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 12 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.153325° 39.153325° Item -121.734122° -121.734122 DWR NA0060 11 t 2012 12 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 13 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR_NA0060_11_t _ 2012_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Category Channels				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		39.15332	5°	39.153325 °	
пеш				-121.73412	2 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_14				
		A - C /	<u> </u>	- 4 -			

Action/Comments

Inspector Comments: There is no spalling or cracking of the structure.

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined Category Channels				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.15332	5 °	39.153325	0
iteiii				-121.73412	2°	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_15				
		Action/	Commo	ntc			

Action/Comments

Inspector Comments: There are no significant areas of tilting.

No Photos

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Concrete	Foundations		39.1533	25°	39.153325°	
пеш						-121.734122 °	
DWR ID DWR_NA0060_11_t _ 2012_16						·	
	Action/Comments						

Inspector Comments: There is some erosion on the downstream side near the structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ма	Location *		
Category	GPS Latitude/Longitude					
Calegory	Channels				Start	
Item	Security F	encing		39.1533	25 °	39.153325°
пеш				-121.7341	22 °	-121.734122 °
DWR ID	D DWR_NA0060_11_t _ 2012_17					
	Action/Comments					

Inspector Comments: There is no security fence at this site.

No Photos

	LM Start	0.00	Rating **	Α	Issue No.		18	
	LM End	0.00	Issue Type +	Ma	Location *			
	Structures & Concrete Lined				GPS Latitude/Longitude			
	Calegory	Channels			Start		End	
	Item Closure Structur		tructures		39.1533	25 °	39.153325	0
					-121.7341	22 °	-121.734122	0
	DWR ID	DWR_NA0	060_11_t _ 201	2_18				
				_				

Action/Comments

Inspector Comments: There are stop logs available for within the channel, but the structure does not have any other closure structure. No Photos

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *	•		
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
ltom	Item Trash Rakes			39.1533	25°	39.153325	0
пеш				-121.73412	22 °	-121.734122	0
DWR ID	DWR_NA0060_11_t _ 2012_19						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	20	
LM End	0.00	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Other Metallic Items			39.1533	25 °	39.153325°
item		-121.7341	22 °	-121.734122 °		
DWR ID	DWR_NA0060_11_t _ 2012_20					
Action/Commonts						

No Photos

Action/Comments Inspector Comments: Metallic items appear to be in good condition.

LM Start	0.00 Rating ** A 0.00 Issue Type + Ma		Issue No.	21			
LM End			Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Monolith Joints			39.1533	25°	39.153325 °	
Item			-121.7341	22 °	-121.734122 °		
DWR ID	DWR_NA0	060_11_t _ 201	2_21				
Action/Comments							

No Photos

Inspector Comments: The mortar joint material is in good condition.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Safety			39.1533	25°	39.153325 °	
item				-121.7341	22 °	-121.734122 °	
DWR ID	DWR_NA0	2_22		·			
Action/Comments							

Inspector Comments: There is a safety rail around the structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item		Operation & Maintenance			25°	39.153325	0
пеш	Manual			-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	3_24				
Action/Comments							
Inspector Comments: The yard has a copy of the O&M Manual.							

No Photos

* Location LS: Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type